



# SSSL BRIEF

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*Col James Jamison, USMC  
Deputy Commander  
Naval Safety  
Center*

*1 May 2007*



**SSSL Brief May 2007**

*Naval Safety Center*

**provides safety assistance  
and advice to the CNO,**

**CMC, and the Deputy**

**Assistant SECNAV for Safety**

**in order to enhance the**

**warfighting capability of the**

**Navy and Marine Corps,**

**preserve resources and**

**improve combat readiness**



# 06: Reducing Preventable There is no

I have set some very specific mishap reduction goals for the Department to achieve. My congratulations to those who are progressing toward their respective goals, but others are not. We must rededicate ourselves to those goals - and achieve them.

Too often we excuse mishaps by citing the difficult circumstances in which we operate. We have trained our men and women to operate safely in very trying conditions. **There is no excuse for losing lives given proper planning, attention to detail, and the active involvement of the chain of command.**

Accountability is essential to effective leadership. I expect all the Department's leaders, from the Commander to the first line supervisors, **to be accountable for mishaps under their watch.** We simply will not accept status quo.

If we need to change our training, improve our material acquisition, or alter our business practices to save the precious lives of our men and women, we will do it. We will fund this as a first priority; those technologies and devices that will save lives and equipment. We will retrofit existing systems, and consider these devices as a "must fund" priority for all new systems. We can no longer consider safety as "nice-to-have."

I want to hear what you are doing to improve your safety performance and **I want to see the results of your actions.**

# I want to see the results of your





# A Safety Continuum

*Information  
Training*

*Intervention*

*Enforcement*

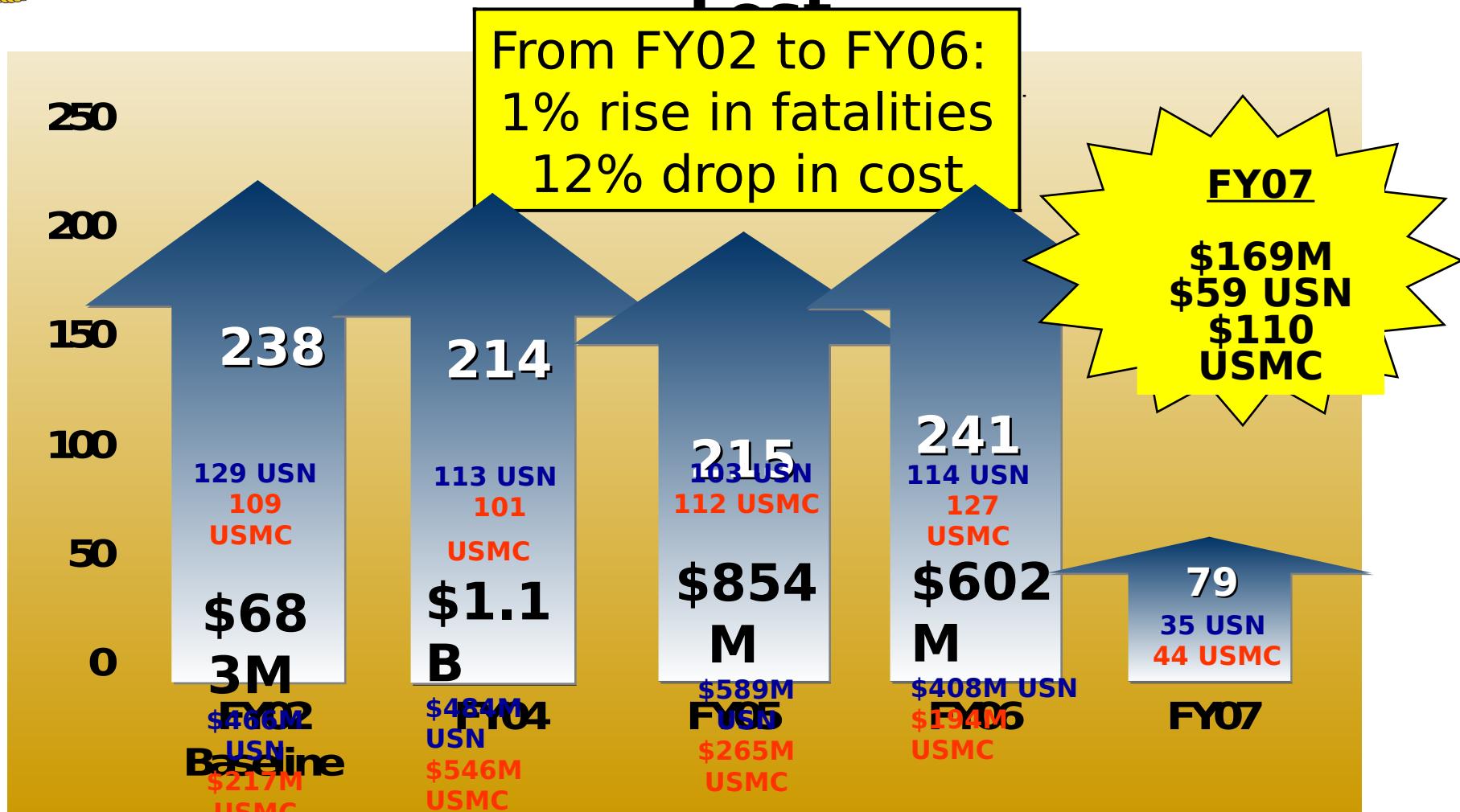
*# of Sailors/Marines*

*Accountability*





# USN/USMC Fatalities & Resources



ENDSTATE GOAL IS ZERO!

NSC Data: May 07





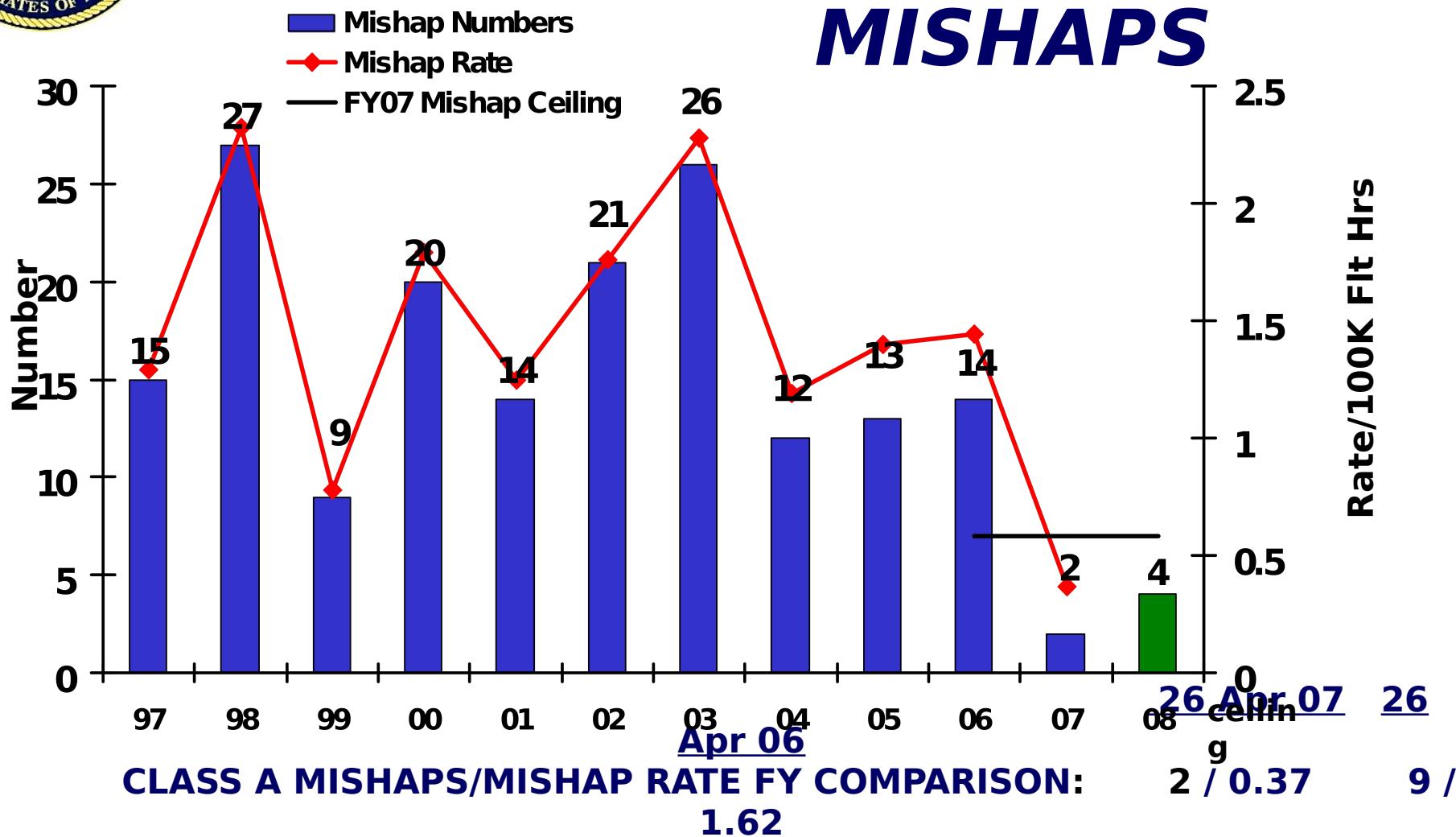
# How Did Our Sailors and Marines Die?

MISHAP CATEGORY	212 <i>Died in FY05</i>	241 <i>Died in FY06</i>	79 <i>Died in FY07</i>
PMV	105 (49%)	144 (60%)	50 (63%)
Off-Duty Recreation	29 (14%)	26 (11%)	9 (11%)
Aviation	40 (19%)	21 (9%)	7 (9%)
Shore/Ground/MV	32 (15%)	50 (21%)	10 (13%)
Operational-Ships/Sub/Dive			





# CLASS A FLIGHT MISHAPS



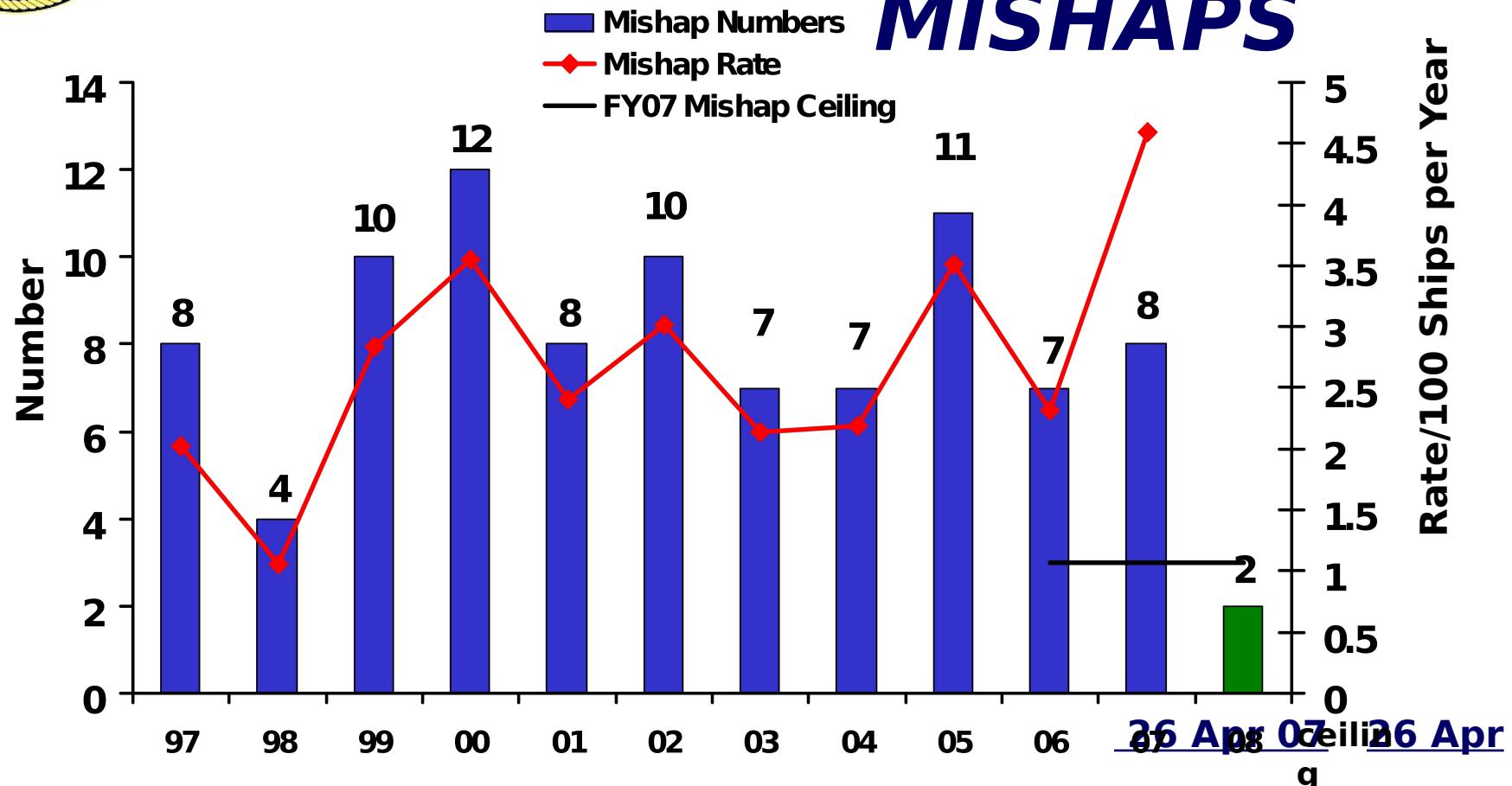
10-YEAR AVERAGE (FY97-06) MISHAPS/MISHAP RATE:

$17.1 / 1.56$

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# CLASS A AFLOAT MISHAPS



06

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

8 / 4.59

3 /

1.73

FY06 MISHAPS/MISHAP RATE: 7 / 2.31

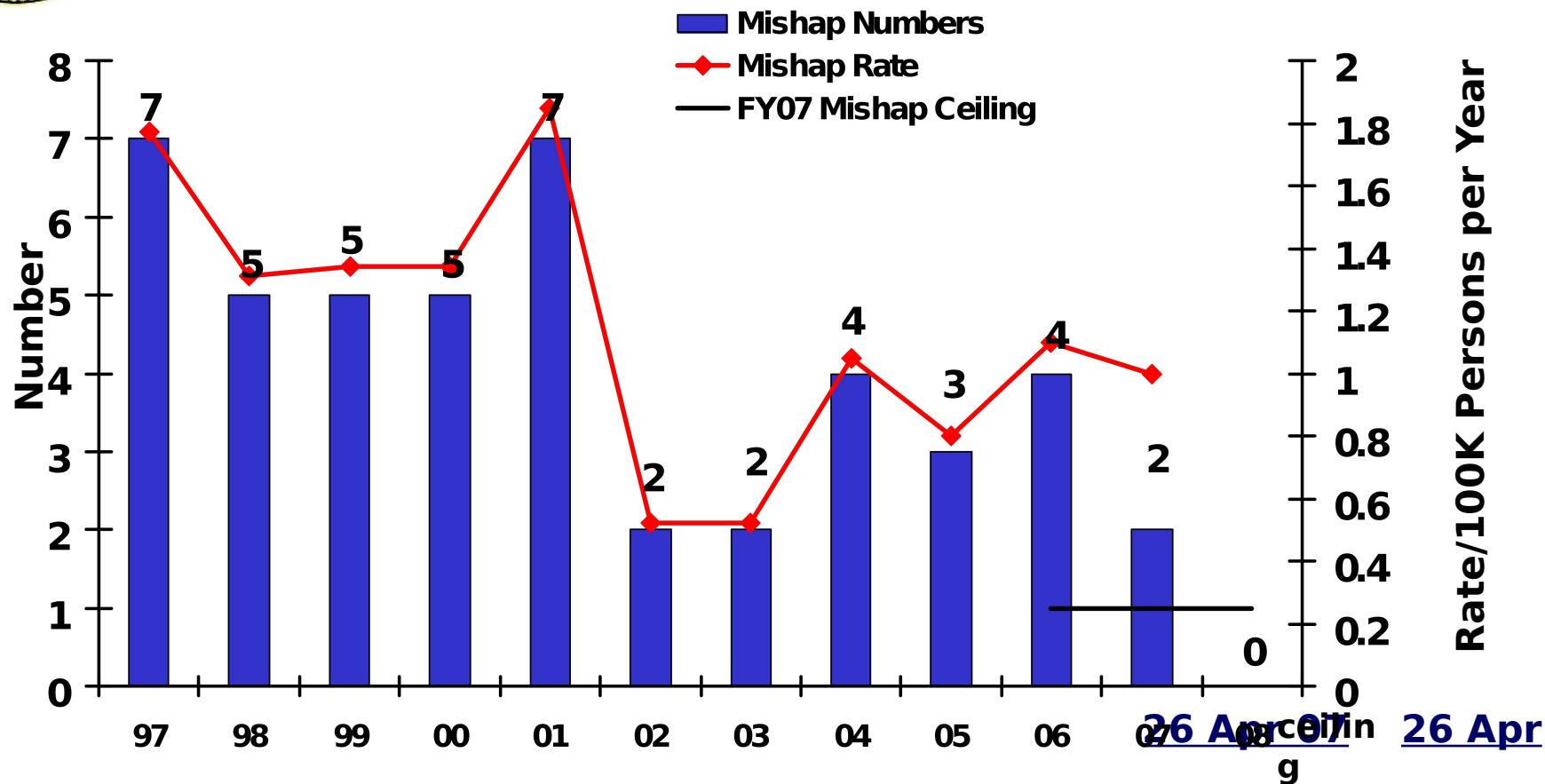
10 YEAR AVERAGE (FY97-06) MISHAPS/MISHAP RATE: 8.4 / 2.48

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# CLASS A SHORE OPER MISHAPS



06

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

2 / 1.00

0.48

1 /

FY06 MISHAPS/MISHAP RATE: 4 / 1.10

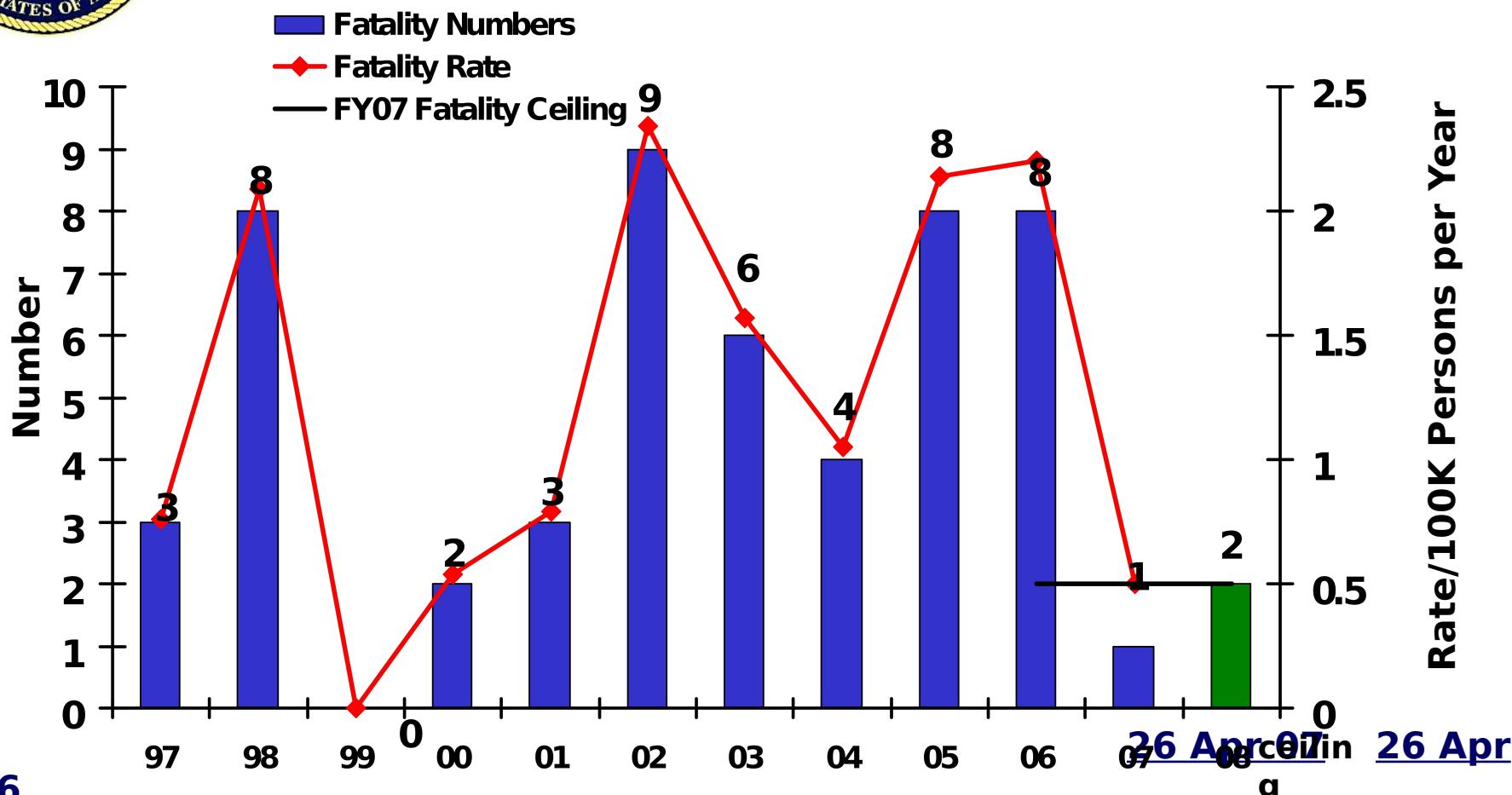
10 YEAR AVERAGE (FY97-06) MISHAPS/MISHAP RATE:

4.4 / 1.16

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# PHYSICAL TRAINING FATALITIES



FATALITIES/FATALITY RATE FY COMPARISON :

1 / 0.50

3 /

1.44

FY06 FATALITIES/FATALITY RATE : 8 / 2.20

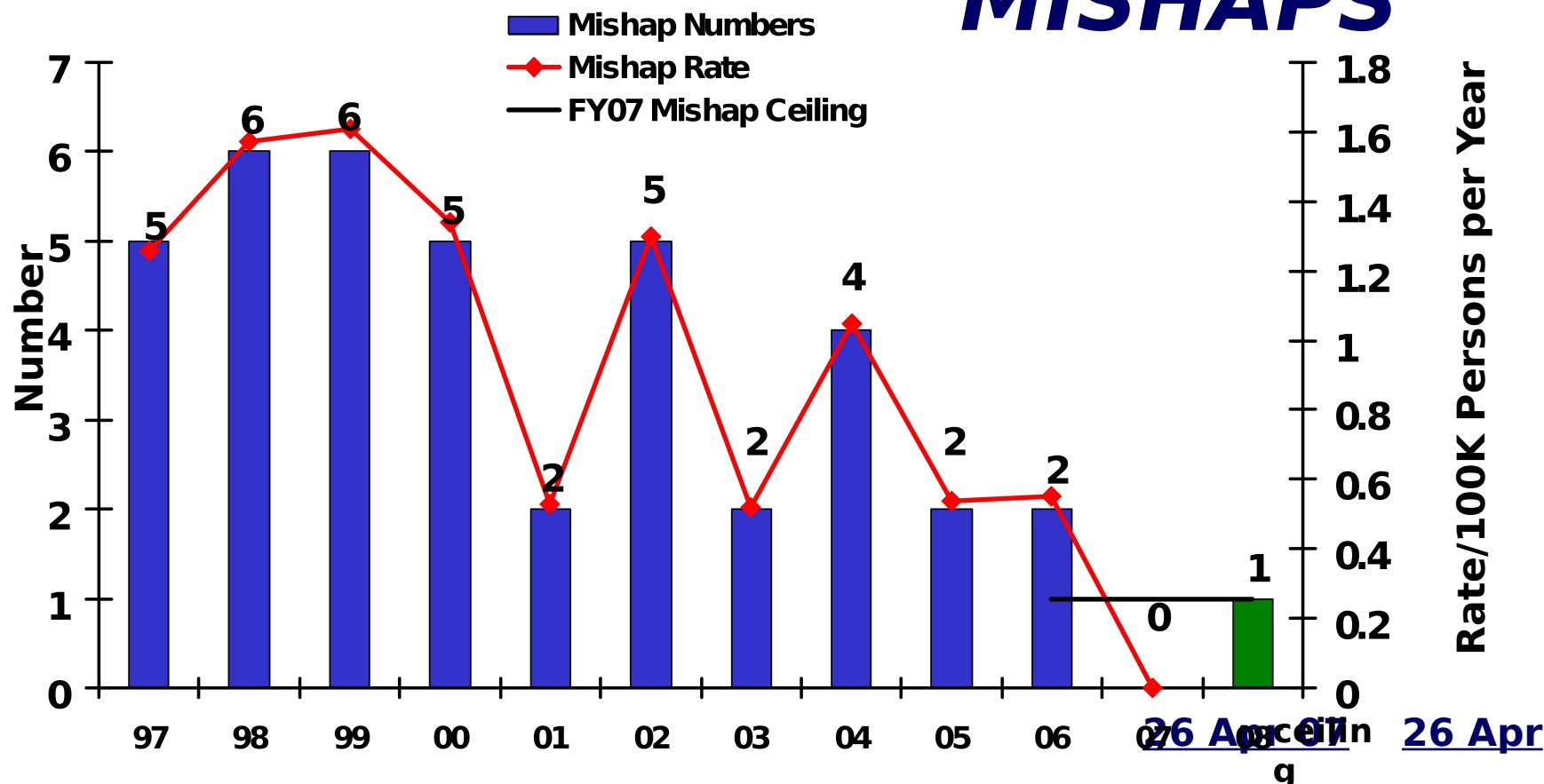


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10-YEAR AVERAGE (FY97-06) FATALITIES/FATALITY RATE: 5.1 / 1.35



# CLASS A OPER MV MISHAPS



06

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

0 / 0.00

1 /

0.48

FY06

MISHAPS/MISHAP RATE: 2 / 0.55

3.9 / 1.03

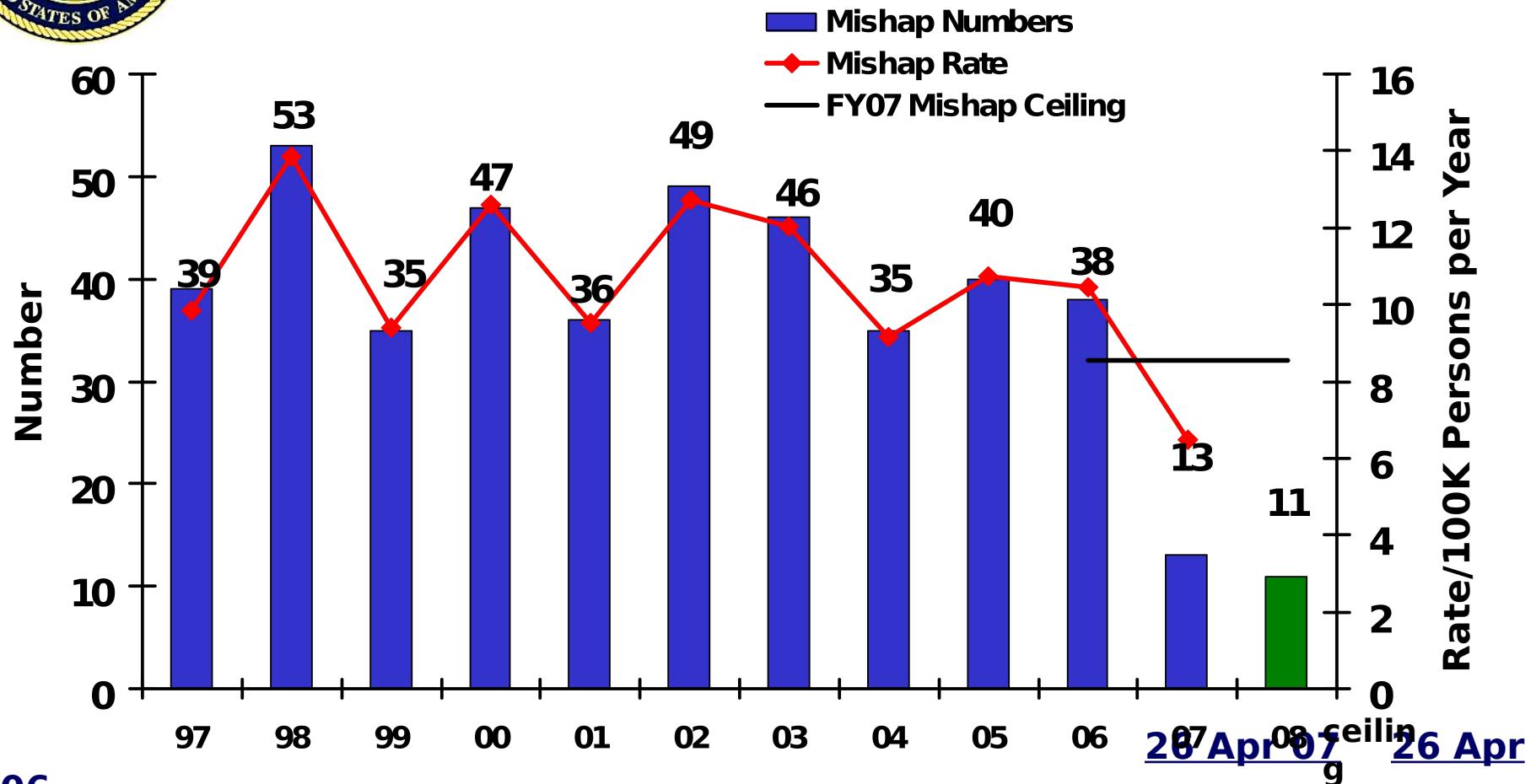
10 YEAR AVERAGE (FY97-06) MISHAPS/MISHAP RATE:

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# TOTAL CLASS A OPER MISHAPS



06

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:  
9.15

MISHAPS/MISHAP RATE: 38 / 10.47

13 / 6.49  
FY06

19 /

41.8 / 11.04

13

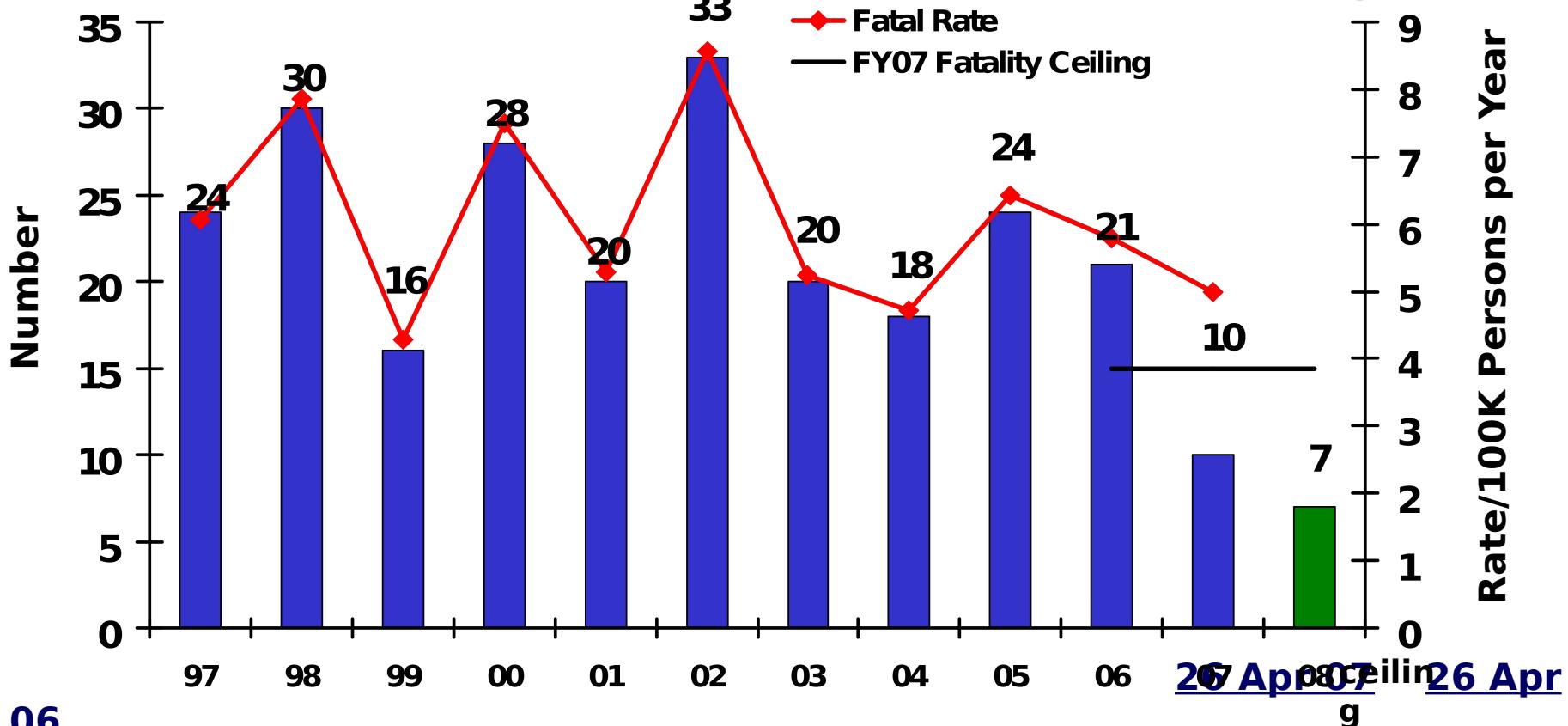
10 YEAR AVERAGE (FY97-06) MISHAPS/MISHAP RATE:

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# OPERATIONAL FATALITIES



FATALITIES/FATALITY RATE FY COMPARISON: 10 / 4.99 13 /

6.26

FY06 FATALITIES/FATALITY RATE: 21 / 5.79

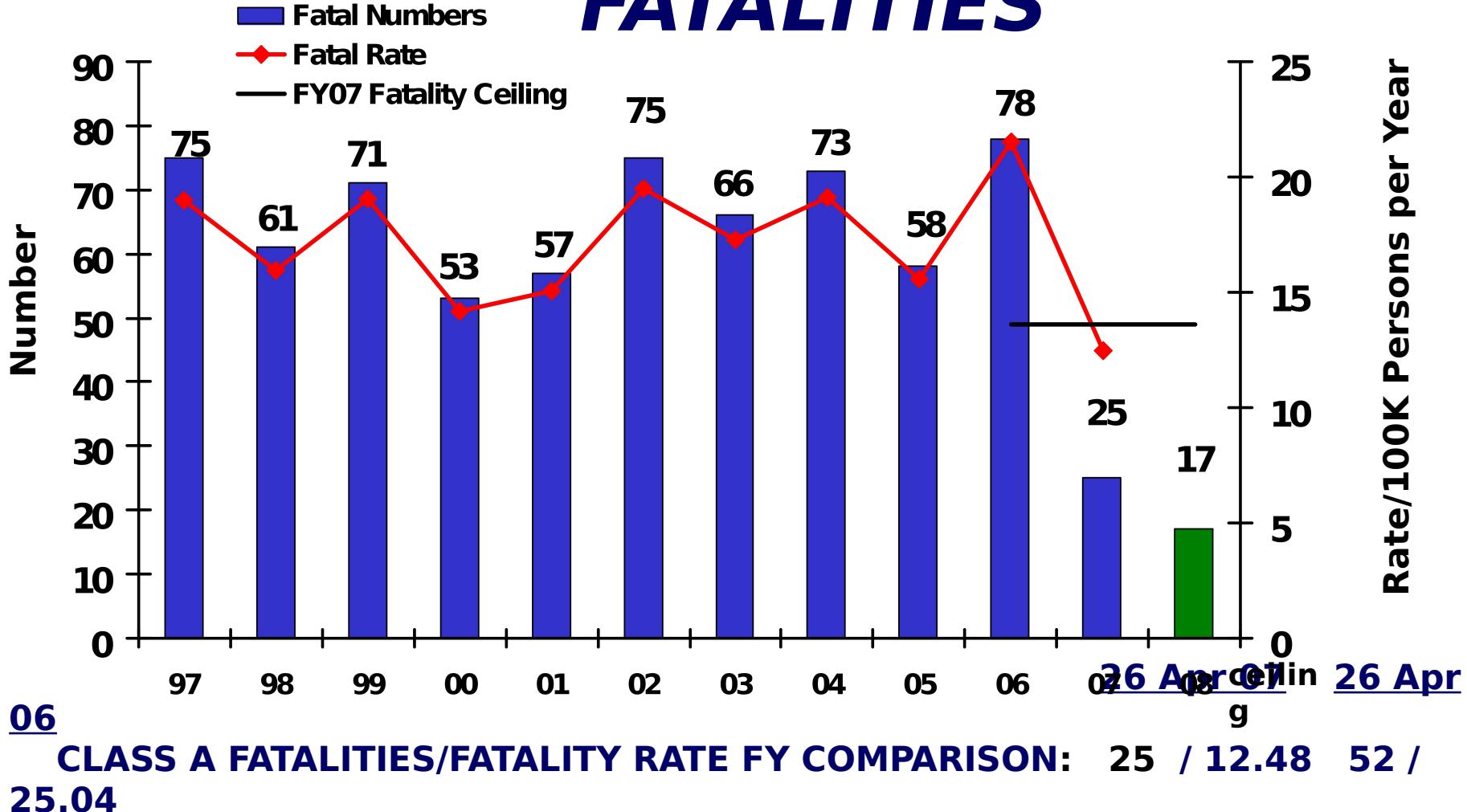


SSSL Brief May 2007

10-YEAR AVERAGE (FY97-06) FATALITIES/FATALITY RATE: 23.4 / 6.18



# PMV FATALITIES





# Risk Management

A photograph of a military vehicle, possibly an armored personnel carrier or tank, parked in a desert landscape under a clear blue sky. The vehicle is angled towards the right side of the frame.

**Tactics to  
Defeat  
the “Blue  
Threat”**

- Blue Threat** - Action/Inaction by own forces causing losses
- Blue Threat** - Losses far exceed **Red Threat** losses



# ORM: A Tool For Leaders

## Five Steps



- Easy, common-sense process
- Mind-set
- Way of life - On- and Off-Duty
- Operating discipline
- Process must be taught
- Must institutionalize ORM – it's not today

YOU CAN'T “ORM” SOMETHING THAT'S STUPID, TO SOMETHING THAT'S SMART!!!



# ORM



SO EASY A CAVEMAN CAN DO IT.



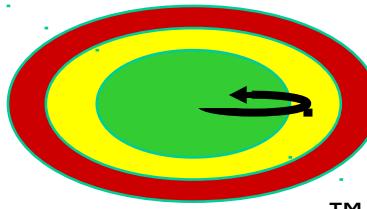
# Time Critical Risk Management Elements



## Process and Mnemonic

- A** - Assess (your situation, your potential for error)
- B** - Balance Resources (to prevent and trap errors)
- C** - Communicate (risks and intentions)
- D** - Do & Debrief (take action and monitor for change)

## Risk Assessment



- **Green:** Errors may occur, but they will be caught
- **Yellow:** Errors may occur, but they may not be caught and may become cumulative
- **Red:** Errors will occur that are not caught

## Crew Coordination Skills

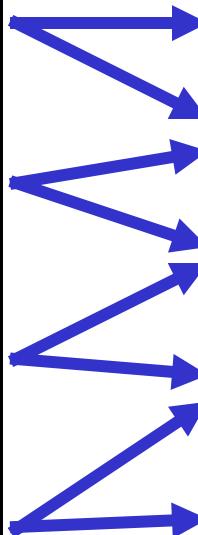
- **Situational Awareness**
  - I know my environment
  - I can see changes
- **Mission Analysis**
  - I can assess the changes
  - I can see how they affect my job/mission
- **Adaptability/Flexibility**
  - The plan is flexible and we can adapt to changes
- **Decision Making**
  - We have enough information, time and a good plan of action, or we need help
- **Assertiveness**
  - I have confidence in myself, my team, and my leadership to bring new threats to their attention
- **Communication**
  - I need to let my teammates or others involved know what I know
- **Leadership**



# Time Critical and Deliberate

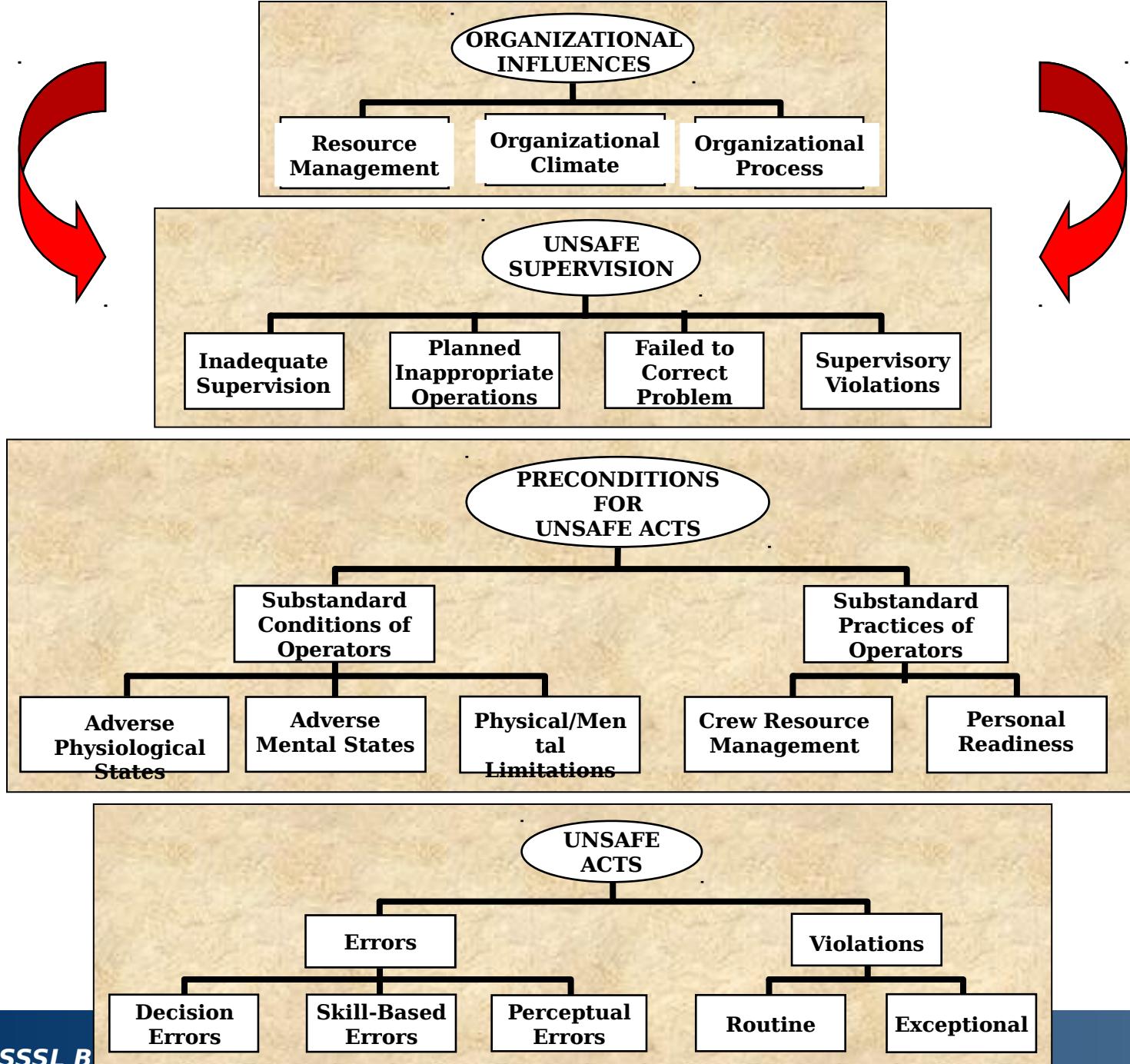
## Time Critical Process and Mnemonic

- A** - Assess (your situation, your potential for error)
- B** - Balance Resources (to prevent and trap errors)
- C** - Communicate (risks and intentions)
- D** - Do and Debrief (take action and monitor for change)



## 5-Step Deliberate Process

- 1. Identify Hazards**
- 2. Assess Hazards**
- 3. Make Risk Decisions**
- 4. Implement Controls**
- 5. Supervise (watch for changes)**





# 54 Navy / Marine Corps PMV Fatalities

So Far For  
FY07



*More than  
3 USS  
Cole's*



# PERSPECTIVE

"IN 1968, WE LOST 99 AMERICAN SAILORS IN USS SCORPION, WHICH WE THINK OF AS A NATIONAL DISASTER; WHILE WE LOST 103 SAILORS AND MARINES IN PMV ACCIDENTS IN 1998, AND CALL IT OUR 'BEST YEAR'!"

ROBERT B. PIRIE  
ACTING SECRETARY OF THE NAVY  
20 JANUARY - 24 MAY 2001

There are no memorials  
to honor service members  
who died in car accidents.

WHY DO WE ACCEPT PMV ACCIDENTS?



# Motorcycles





# Hold on





# PMV FATALITY MISHAP CAUSAL FACTORS

## Fleet-Wide Incidents Five-Year Average (FY00-FY05)

LOSS OF VEHICLE CONTROL	77
EXCESSIVE SPEED	32
ALCOHOL USE	50
EVASIVE ACTION	19
INEXPERIENCE	10
CARELESSNESS/POOR JUDGMENTS	8
RAN OFF ROADWAY	25
FAILED TO EXECUTE TURN	9
REACTION TIME	10





# Even when you are in the crosswalk





# Factors In Traffic Deaths (USN/USMC, FY02-05)

Fatigue is considered a major factor in traffic deaths, but is under-reported throughout the fleet.

**FY02-05 Deaths: 481 (USN - 272) / (USMC - 209)**

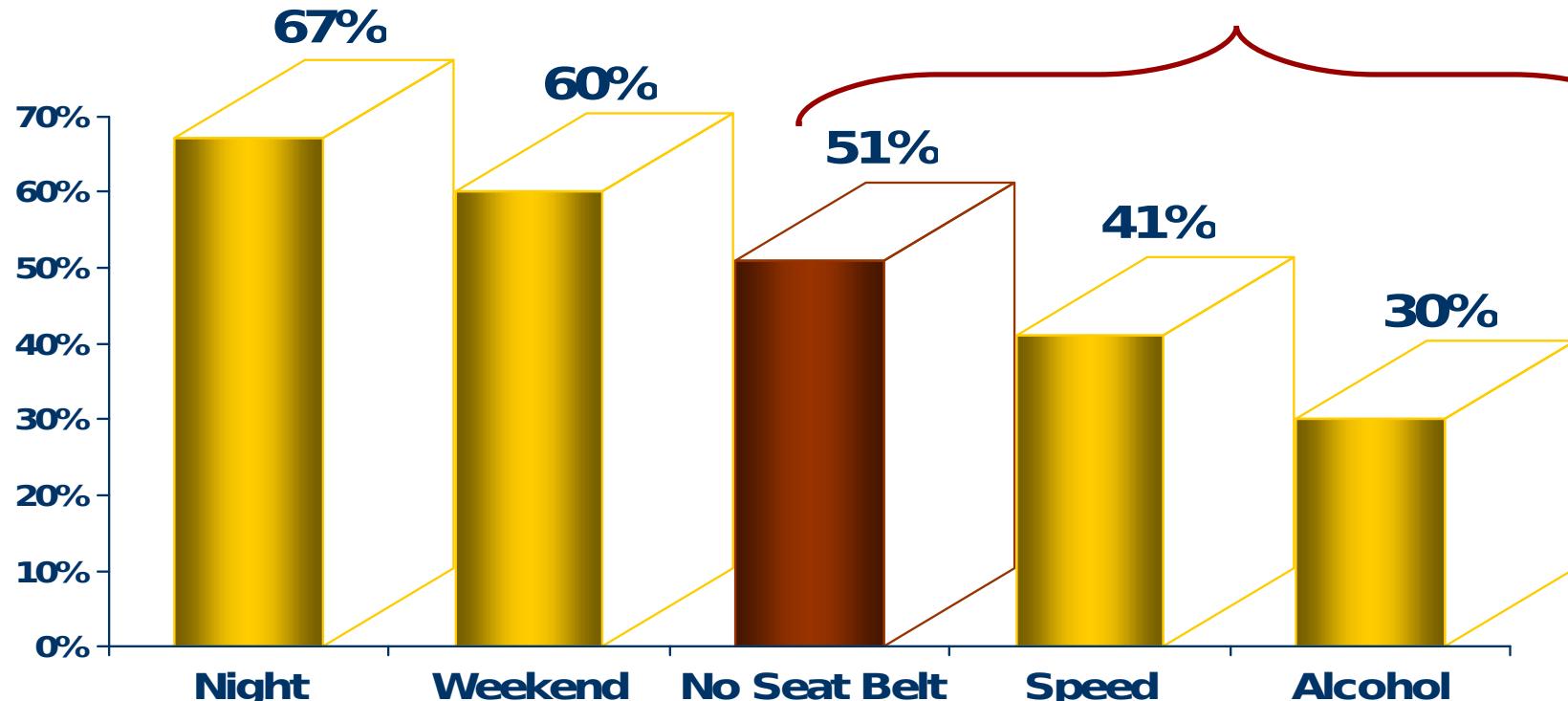
**FY02: 140 (USN - 75) / (USMC - 65)**

**FY03: 119 (USN - 66) / (USMC - 53)**

**FY04: 119 (USN - 73) / (USMC - 46)**

**FY05: 103 (USN - 58) / (USMC - 45)**

## DECISION-BASED ERRORS



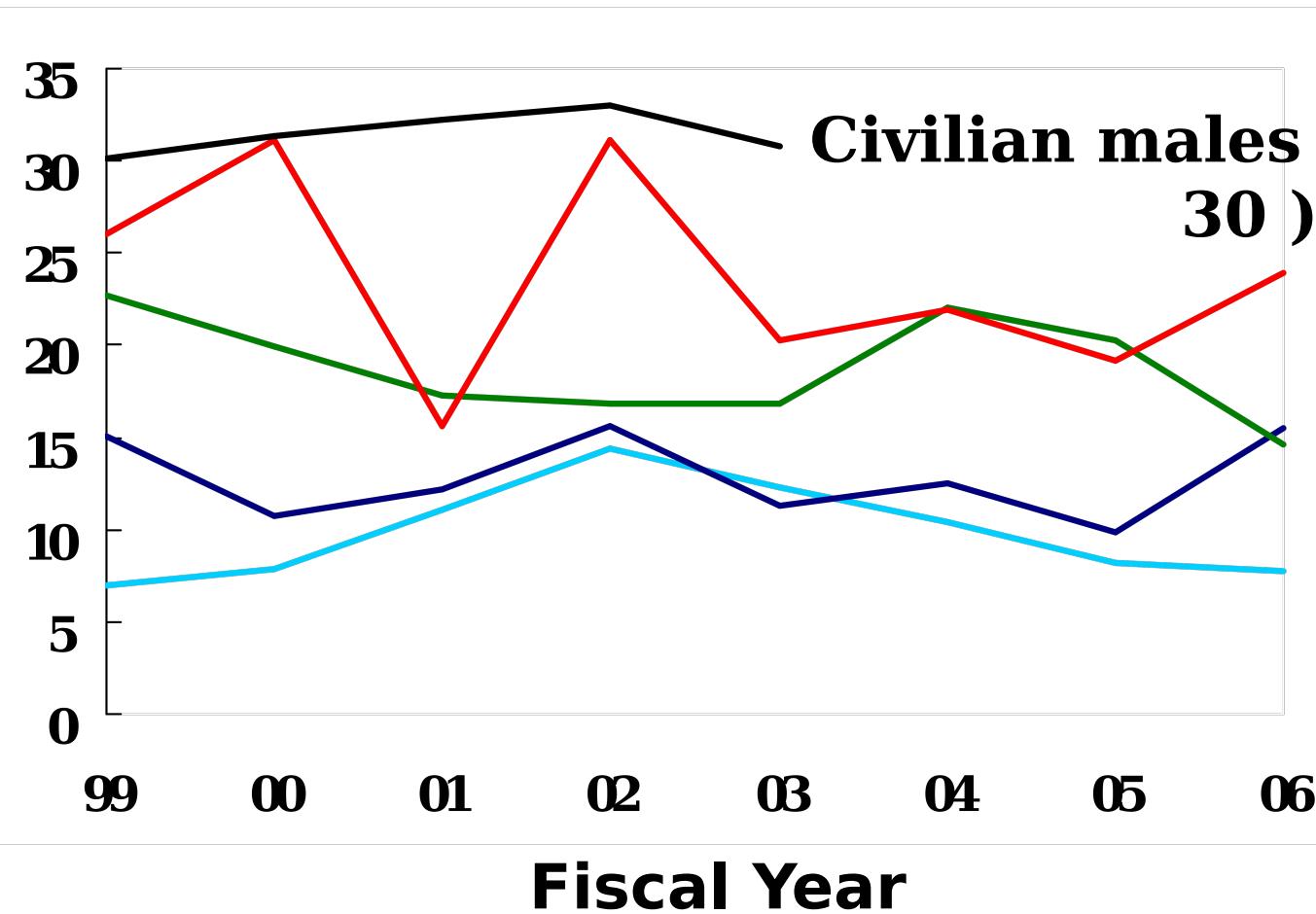


**uidman.ca**





# 4 Wheel Deaths Rates



**Civilian males ( ages 18 - 30 )**

**USMC** **23.93 (33)**  
**Navy** **15.46 (43)**  
**Army** **14.57 (55)**  
**USAF** **7.75 (21)**

Percentage of Force Under 26 Years

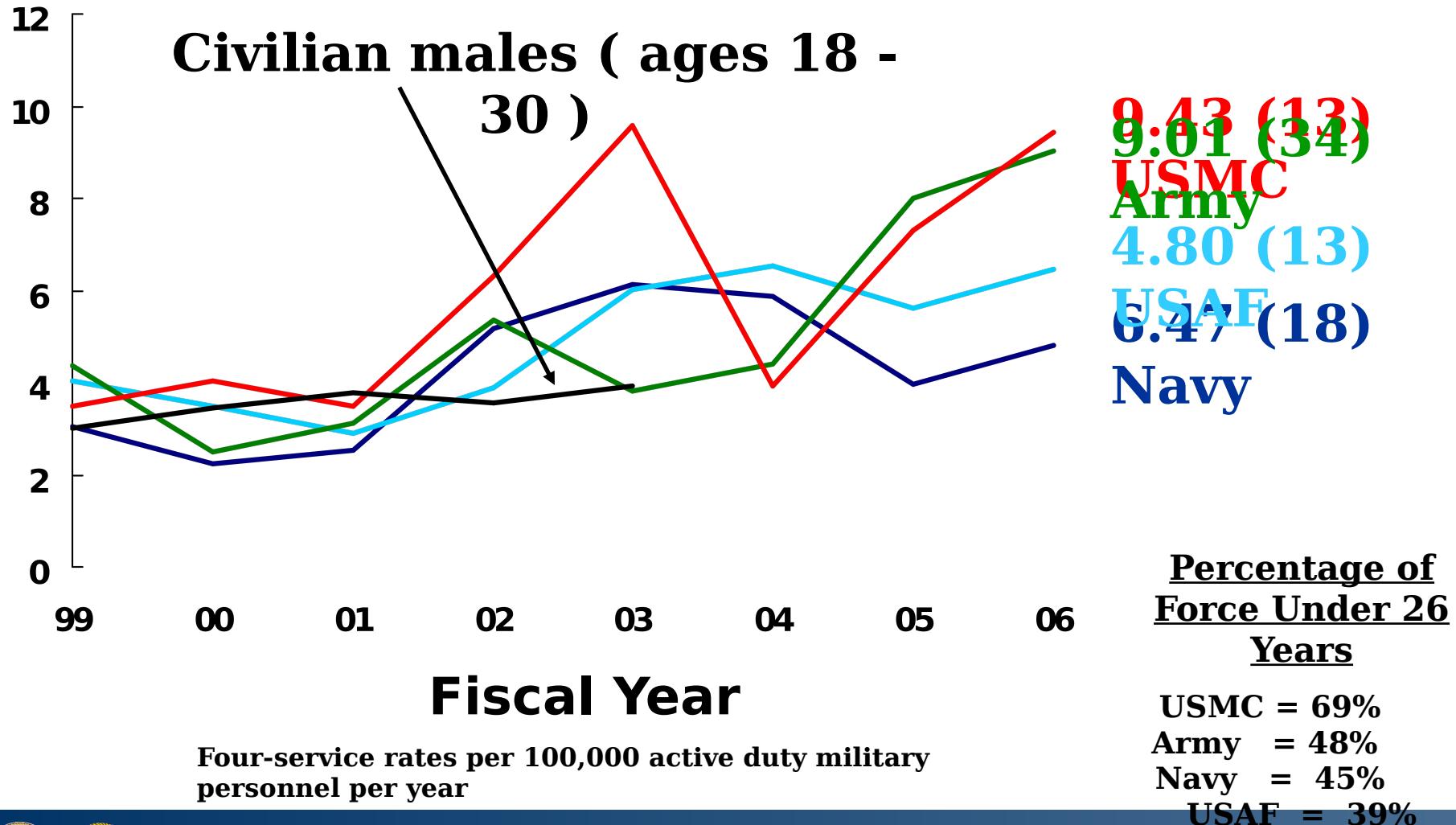
**USMC = 69%**  
**Army = 48%**  
**Navy = 45%**  
**USAF = 39%**

Four-service rates per 100,000 active duty military personnel per year





# Motorcycle Deaths Rates





# Best Fleet Practices - PMV

- 1. Risk Management - Find out who is at risk - Help them understand / manage that risk.**
- 2. Letter home - Solicit family's help to keep loved ones safe.**
- 3. Traffic Safety Toolbox - The tools to reduce mishaps.**
- 4. Partnerships with local community. (Click It or Ticket, You Drink, You Drive, You Lose, MADD)**
- 5. Traffic Safety Across America. (Trained supervisory personnel on drinking and driving, seat belt use, PPE, speed, fatigue)**





# DON PMV Summit - 22 Jan

- ACMC & VCNO briefed on PMV initiatives and recommendations in support of DON PMV mishap reduction efforts
  - Navy IG report
  - USMC IG report
- COMNAVSAFECEN proposed 10 PMV initiatives
  - Intervention
  - Enforcement
  - Accountability
  - PMV & Motorcycle Driver Training





# What was he thinking ?





# Best Fleet Practices - Off-Duty Rec

- 1. Commanders/Commands and supervisors engaged in Risk Management and RODS program.**
- 2. Individuals use risk management process before participating in their leisure-time activities.**
- 3. RODS Program Managers - Ensure command personnel have seasonal hazard awareness training.**
- 4. Individual Off-Duty Risk Assessment Form - Assess behavior factors and indicators related to off-duty recreation mishaps.**
- 5. MWR Automotive/Woodworking and Small Boat Rental - Provide qualification training and skills test prior to patrons using their facilities/equipment.**





# Skater



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# Hot shot





# **Recommendations to Improve Safety in Your Command**

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## **1. Naval Safety Center Website - The Tools Are There!**

- Traffic Safety Toolbox
- Web-Enabled Safety System (WESSION) - Online mishap reporting / database
- Leave and Liberty Risk Assessments

## **2. Ensure a SOLID Welcome Aboard, Sponsorship/ Mentorship Program.**

- First impressions are lasting ones
- On and Off duty activities must be addressed

## **3. Identify “high-risk” personnel within command.**

- Ensure leadership is engaged with subordinate personnel
- Establish awareness training of high-risk activities and mentoring for high-risk personnel
- Identify motorcycle operators and confirm required training is complete
- Conduct Human Factors Councils to identify potential problems





# **Recommendations to Improve Safety in Your Command (cont'd)**

## **4. Do the inexpensive things at a minimum.**

- Schedule a Culture Workshop / Safety Survey
- Distribute "Safe Ride" taxi cards
- Conduct pre-holiday safety standdowns
- Require leave chit risk assessments prior to authorizing leave

## **5. Maintain high-visibility within command.**

- Establish and enforce standards- defined command safety policy
- Treat every mishap the same (PMV/Off-Duty Fatality hurts command as much as material mishap)
- Correct safety deficiencies immediately
- Hold personnel ACCOUNTABLE for failure to follow regulations

## **6. INSPECT for compliance**

- Verify command policies are being followed
- Demonstrate daily commitment to safety
- Ensure experience level matches assigned duties





# what happens to others when you don't wear your seatbelt





# PMV LEADING INDICATORS

**MEASURABLE FACTORS (HAZARDS) THAT WHEN TRACKED AND ANALYZED CAN FORECAST POTENTIAL RISK THAT IF NOT ADDRESSED COULD RESULT IN MISHAP.**

**LEADING INDICATORS ENABLE A COMMANDER TO DEVELOP INTERVENTION STRATEGIES TO PREVENT FAILURES AT BOTH THE INDIVIDUAL AND UNIT LEVEL.**





# GENDER\*

- Male drivers are more likely to be involved in fatal mishaps
- Males accounted for 70% of motor vehicle traffic deaths in 2004
- Men drive more miles and are more likely to engage in risky behavior such as not wearing seat belts, speeding, and driving under the influence of alcohol
- National Fatality Rate in 2004 for 20-24 year olds - ***the Marine Corp's high risk age group***
  - per 100,000 personnel is:
    - Male - **40**
    - Female - **13.7**

\* Insurance Institute for Highway Safety, Highway Loss Data Institute

SSSL Brief May 2007





# AGE\*

- Young drivers under 25 years old are most likely to be in fatal motor vehicle accidents
- Male drivers 20-24 years old have the highest motor vehicle fatality rate, 40 per 100,000 population - even higher than male drivers 16 - 19 years of age - 36.6 per 100,000 population
- The highest fatality rate for females is in the 16 - 19 year old age group
- Fatality rates begin to decline appreciably for all age groups above age 25 until about age 65 when they begin to increase again

\* Insurance Institute for Highway Safety, Highway Loss Data Institute





# IMPROPERLY LICENSED DRIVER

- Approximately **20% of all fatal accidents** involve at least one improperly licensed driver\*
  - **One in five** fatal accidents involved a driver with no license or a suspended, revoked, canceled or expired license\*
- National Study conducted on 183,749 fatal crashes and 278,078 drivers from 1993 to 1997\*
- Review was subsequently extended through 1999 and confirmed earlier results

\* Texas A&M University for the American Automobile Association



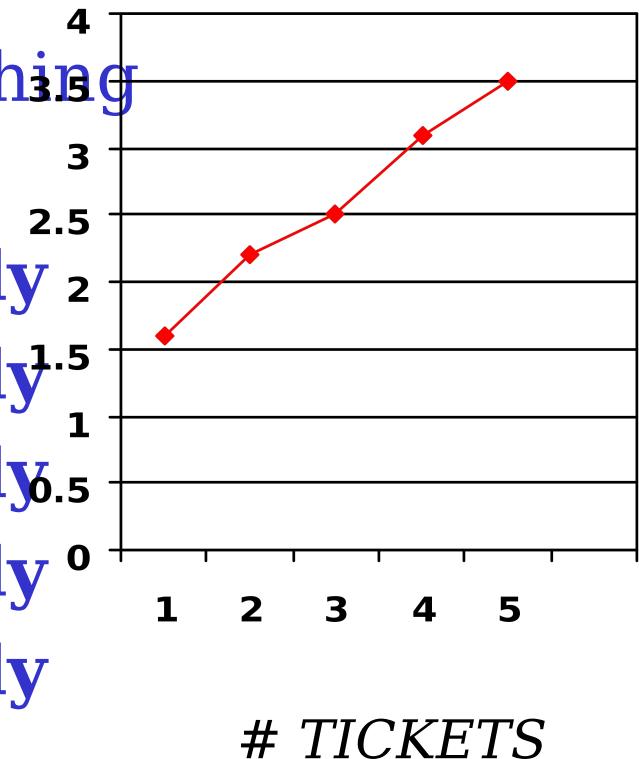


# TRAFFIC CITATIONS

- Traffic citations have been shown nationally to indicate an increased likelihood of being in a future accident\**

# of Tickets      Chance of Crashing  
Next Year\*

- 1      **1.6 times more likely**  
2      **2.2 times more likely**  
3      **2.5 times more likely**  
4      **3.1 times more likely**  
5      **3.5 times more likely**



\* Data provided by Farmers Insurance





# INCREASED VEHICLE OCCUPANCY

- *Increased vehicle occupancy increases risk of accidents for young drivers*
  - A 16-year-old driver is **86% more likely** to die in a crash when driving with two passengers than when driving alone and **182% more likely** to die in a crash when carrying three passengers\*
  - The rate for 17-year old drivers is even higher\*
  - **Of 203 Marine PMV fatalities from FY99-03, 87 Marines died driving alone; 116 died while driving with passengers or riding as a passenger\*\***

\*Farmers Insurance Data

\*\*Naval Safety Center data





# WEEKEND/VERY EARLY MORN

- ***Weekends and very early morning are the deadliest times for Sailors or Marines to drive PMVs\****
  - 64% of all Navy and 62% of all Marine Corps private motor vehicle deaths from FY-04 to FY-06 occurred on Friday, Saturday, or Sunday
  - 28% of all Navy private motor vehicle deaths from FY-04 to FY-06 occurred between midnight and 3:30 AM
  - 31% of all Marine Corps private motor vehicle deaths from FY-04 to FY-06 occurred between 11:30 PM and 3:30 AM

\* Naval Safety Center data

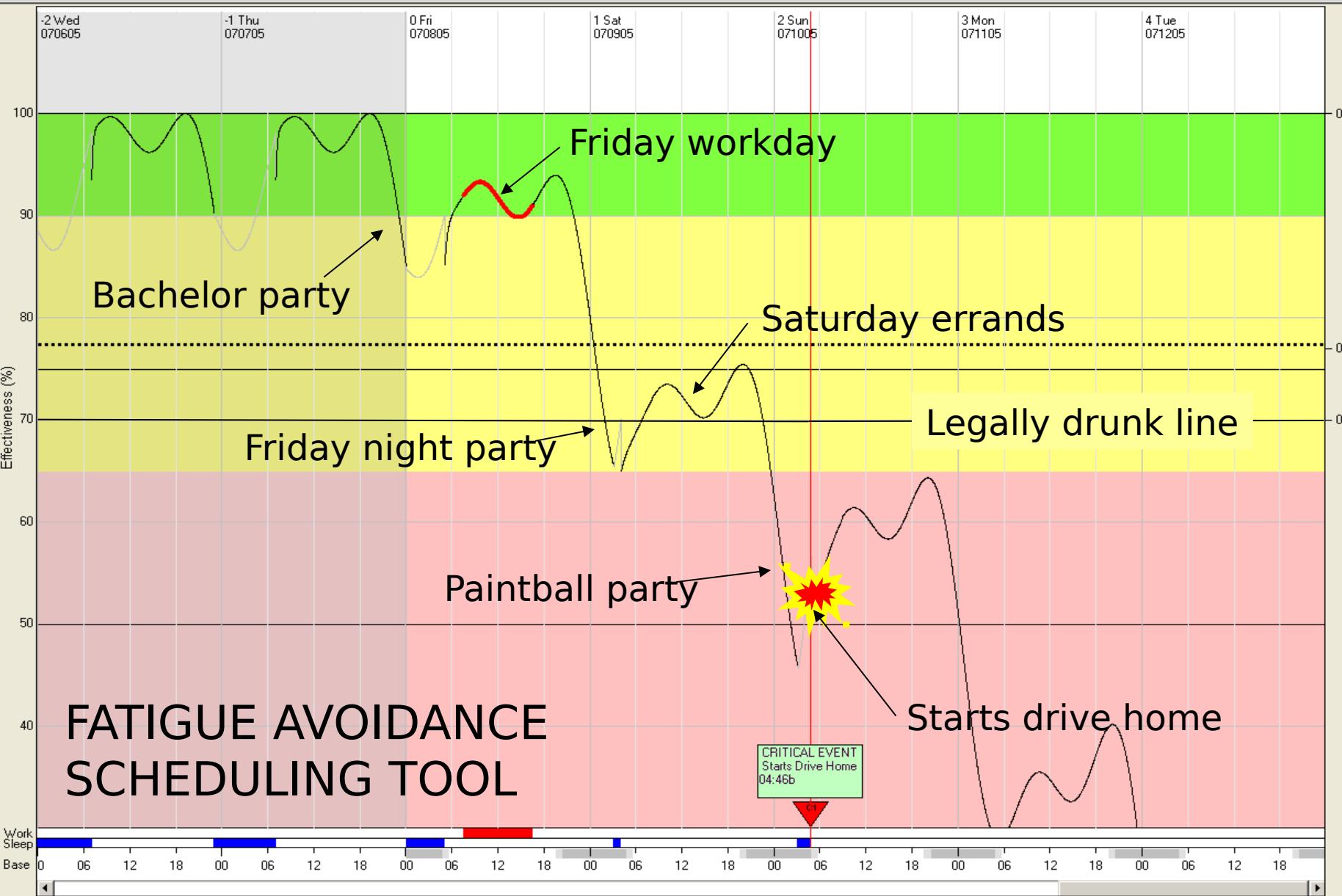




# FATIGUE

- **FRIDAY FUNNIES:**
- **AN E-5 WENT TO A BACHELOR PARTY UNTIL MIDNIGHT, SLEPT FIVE HOURS, THEN WENT TO WORK. TOILED ALL DAY, THEN WENT ON LEAVE. ...**
- **DROVE 120 MILES TO A PARTY AND BOOGALOOED UNTIL THREE O'CLOCK IN THE MORNING. SLEPT FOR AN HOUR ON THE WAY BACK, RAN ERRANDS ALL DAY, MET SOME FRIENDS FOR A MIDNIGHT GAME OF PAINTBALL THAT LASTED, ONCE AGAIN, UNTIL THAT MAGICAL HOUR OF 0300...**
- **HEADED HOME AT 0445. PULLED OVER WITHIN 30 MINUTES TO STRETCH AND YAWN.**
- **HE THEN GOT BACK BEHIND THE WHEEL, FELL ASLEEP ON A CAUSEWAY, VEERED OFF THE ROAD AND RAN INTO TWO GUARD RAILS. HIS PICKUP TRUCK WENT AIRBORNE AND SPLASHED DOWN INTO THE BAY BELOW.**
- **THE SAILOR CAME TO, RELEASED HIS SEAT BELT, CRAWLED THROUGH A BROKEN WINDOW, AND SWAM TO A PYLON. FORTUNATELY, A PASSING MOTORIST HAD SEEN THIS DRAMA AND CALLED EMERGENCY SERVICES.**
- **THE SOUND OF YOUR VEHICLE CRUMPLING INTO AN INDISTINGUISHABLE WAD AROUND YOUR SUDDENLY WIDE-AWAKE SELF IS YOUR LAST CHOICE IN AN ALARM CLOCK. SPENDING FOUR DAYS IN THE HOSPITAL AND TWO WEEKS CONVALESCING IS A DISMAL WAY TO SPEND YOUR TWO WEEKS OF POST-DEPLOYMENT LEAVE.**







# No seat belt !!!





# ALCOHOL USE

- **40% of all highway deaths involve at least one drinking driver, pedestrian, or bicyclist**

## Alcohol Use and Increased Accident Probability:\*

<u>Blood Alcohol Level</u>	<u>Increased Probability of Accident</u>
----------------------------	--

.025	Slightly increased over non-drinker
.05	3 times increased probability
.075	5 times increased probability
.10	15 times increased probability
.125	25 times increased probability
.151	75 times increased probability
.176	200 times increased probability

Age group with highest alcohol related traffic fatalities is 21 - 30 year olds  
for both male and female.





# **STANDARDIZE SAFETY PROGRAMS**

- Identify High Risk Drivers
- Add 72 hour profile requirement for WESSION motor vehicle reports
- Require SIB investigation of Class "A" PMV mishaps
- Investigate and Analyze non-fatal crashes ("B" and "C")
- Share Lessons Learned / Best Practices
- Apply "red threat" tactical intensity to defeating the "blue threat" - the everyday actions or inactions that affect performance and human error





# Code 20 – Occupational Safety and Health

- Technical advice on safety topics to the other NSC Directorates and the field.
- Develop policies related to the Navy's Occupational Safety and Health Program that promote the prevention of mishaps.
- Provide guidance on OSHA's Voluntary Protection Program (VPP) and track Navy and Marine Corps VPP implementation
- Serve as an advisor to Mishap Investigation Boards.
- Provide timely, accurate responses to a broad range of technical safety questions from our Stations.
- Review and comment on Navy instructions from a safety perspective.
- Collaborate with NSC medical staff on safety and occupational health issues.
- Work with CNIC, BUMED, NAVSEA, NAVAIR, and other Echelon II commands, and with NSC medical staff on safety and occupational health issues.





# NSC OSH Staff

- **Ms. Nancy McWilliams, CSP, ARM, Director** ext. 7156  
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[steven.geiger@navy.mil](mailto:steven.geiger@navy.mil)
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[charles.almond@navy.mil](mailto:charles.almond@navy.mil)
- **Mr. Vince Lisa, DoD NFIRS Program Manager** ext. 7169  
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- **Mr. Russ Miller, Fire Data Manager** ext. 7151  
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# Code 40

## Shore Safety Programs

### Directorate

- Develops, formulates and interprets policy and directives guidance for various Naval Shore Safety Programs
- Provides technical advice and program guidance for shore safety issues to Navy and Marine Corps commands and units
- Conducts safety surveys, assist visits, and safety presentations upon request
- Trains and certifies instructors for motorcycle, AAA driver improvement, and emergency vehicle operator courses
- Provides safety statistics and trend analysis upon request
- Serves as advisor to Mishap Investigation Boards
- Develops various safety awareness educational programs, materials and lessons learned
- Provides timely, accurate responses to safety questions from various DoD and private sector individuals and units





# NSC Shore Safety Directorate

- **CAPT Bill Glenn, USN, Director** ext. 7166  
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- **Mr. Bruce Crisler, Executive Assistant** ext. 7167  
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- **Mr. David Kerrick, Traffic and Off-Duty Recreation DivHd** ext. 7165  
[david.kerrick@navy.mil](mailto:david.kerrick@navy.mil)
- **CDR Alan Dean, USN, Weapons and Explosives DivHd** ext. 7164  
[alan.d.dean@navy.mil](mailto:alan.d.dean@navy.mil)
- **Mr. Jim Wilder, Mishap Investigations and Tactical Ops DivHd**  
ext. 7147  
[james.wilder@navy.mil](mailto:james.wilder@navy.mil)





# NSC Website: Your Valuable Resource

**www.safetycenter.  
navy.mil**

Naval Safety Center - Microsoft Internet Explorer provided by NMCI

File Edit View Favorites Tools Help

Back Forward Home Search Favorites Media Stop Go Bookmarks 106 blocked ABC Check Look for Map AutoFill

Address http://www.safetycenter.navy.mil/

Google S Go Bookmarks 106 blocked ABC Check Look for Map AutoFill

Work, Play, Live ... Safely!

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**Resources**

- [TRIPS \(Travel Risk Planning System\)](#)
  - Navy
  - Marines
- [Executive Summary](#)
- [Safety Toolbox](#)
- [75% Mishap Reduction](#)
- [Presentations](#)
- [Traffic Safety Toolbox](#)
- [Success Stories](#)
- [Statistics](#)
- [Seasonal Resources](#)
- [POD Notes, Slogans](#)

**Quick Links**

- [Photo of the Week](#)
- [ASCAS](#)
- [Friday Funnies](#)
- [Safety School](#)
- [Acquisition Safety](#)
- [Safety Surveys](#)
- [Culture Workshops](#)
- [Navy / NSC FOIA Request](#)
- [Secure Site \(PKI\)](#)

**Staff**

- [Biographies / Mission](#)

**Traffic Death Update**

At 0130 on February 26, a Marine private died in a car wreck on an interstate highway in Michigan. He was driving a van when he lost control; the van flipped several times. He had graduated from basic training last Friday. Also, a QMC from Naval Base Kitsap was killed in a wreck near Discovery Bay, Wash. He crossed the centerline and collided head-on with another car.

**PMV Stats | PMV Narratives**

Navy and Marine Corps PMV Deaths FY07 to date : **47**

**In the Spotlight**

**What's New**

- [NEW! CNO FY06 Awards For Achievement In Safety Ashore](#)
- [15th Safety Professional Development Conference in Virginia Beach, March 12-16](#)

**More Articles**

- [New! Special issue magazine about ORM slated for April 2007](#)
- [Navy and Marine Corps Safety Planner 2007 & 2007 Safety Planner Survey](#)

**Initiatives and Tools**

Start SSSL Brief-COL Jamison Naval Safety Center - ...



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## ON THE ROAD

- Culture workshops
- Unit surveys
- ORM unit training
- Mishap investigations
- USMC MTT seminars
- PCO briefings
- NAVOSHENVTRACEN Safety & Occupational Health Training

## AWARENESS

- Fleet Analysis
- Magazines printed/distributed (473,000 copies)
- Interactive CD's
- Acquisition process in-roads
- Safety advisories
- Customer information requests (3,600+ database queries per month)
- Safety Center web page





# A MISHAP-FREE NAVY+MARINE CORPS *Team*

## Is It Possible??





NAVAL SAFETY CENTER

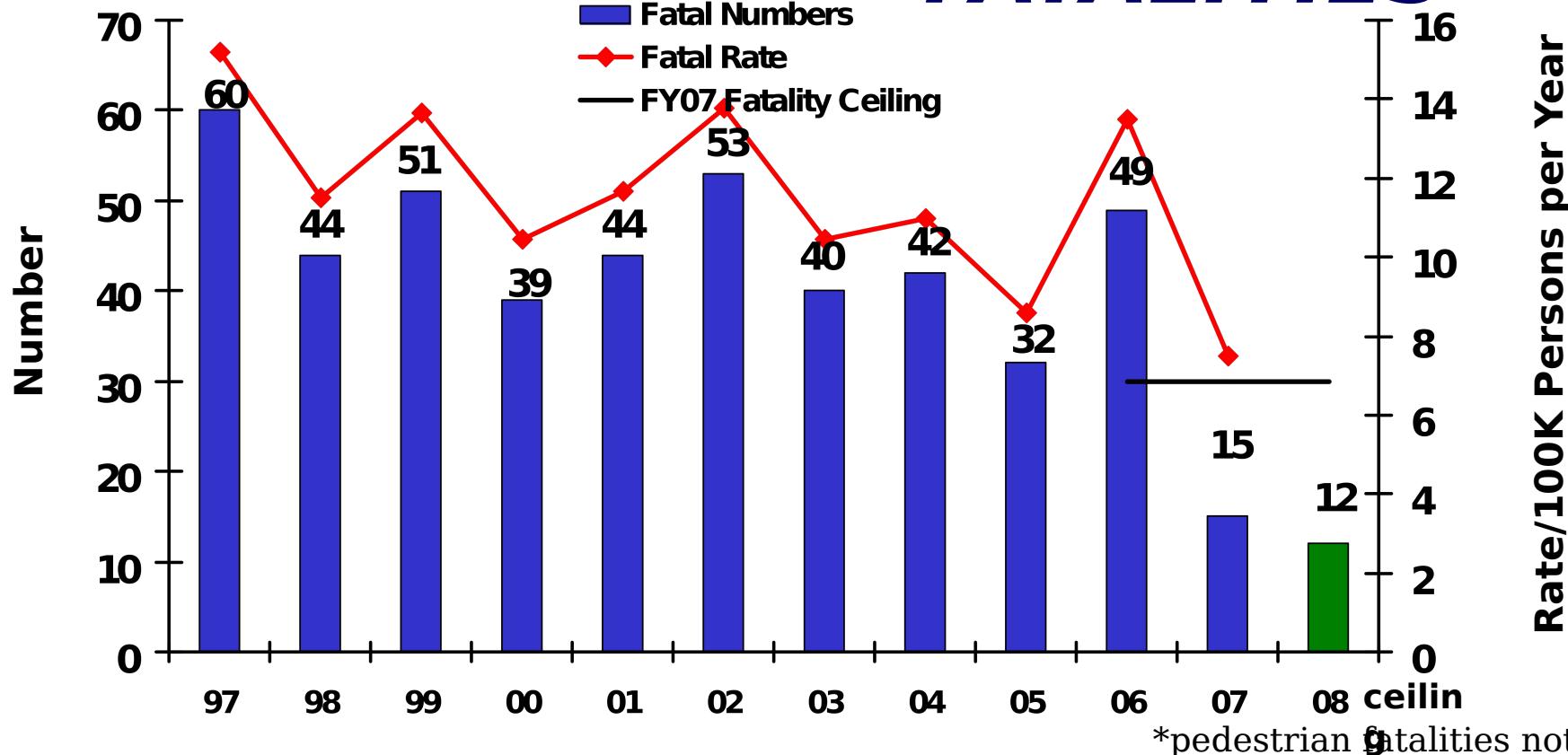
# Questions?



SSSL Brief May 2007



# 4-WHEEL PMV FATALITIES



\*pedestrian fatalities not included

0 Four-Wheel Fatality during this reporting period 26 Apr 2007 26 Apr 2006

06

CLASS A FATALITIES/FATALITY RATE FY COMPARISON: 15 /7.49 36/

17.33



SSSL Brief May 2007

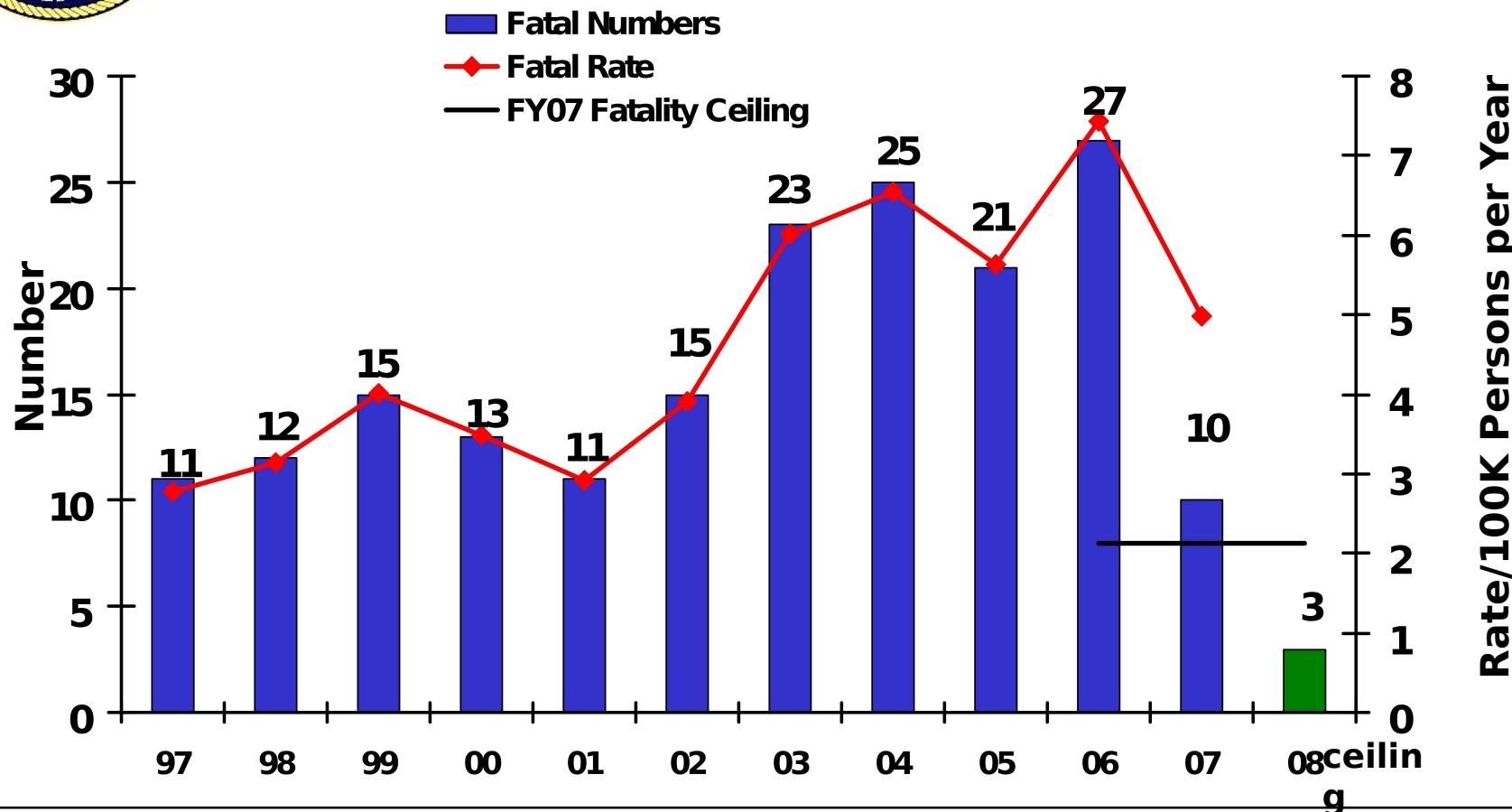
FY06 FATALITIES/FATALITY RATE: 49 /13.50

63

10 YEAR AVERAGE (FY97-06) FATALITIES/FATALITY RATE: 45.4 / 11.89



# MOTORCYCLE PMV FATALITIES



0 Motorcycle Fatalities during this reporting period  
26 Apr 2007

26 Apr

06

CLASS A FATALITIES/FATALITY RATE FY COMPARISON: 10 / 4.99

15 /

7.22

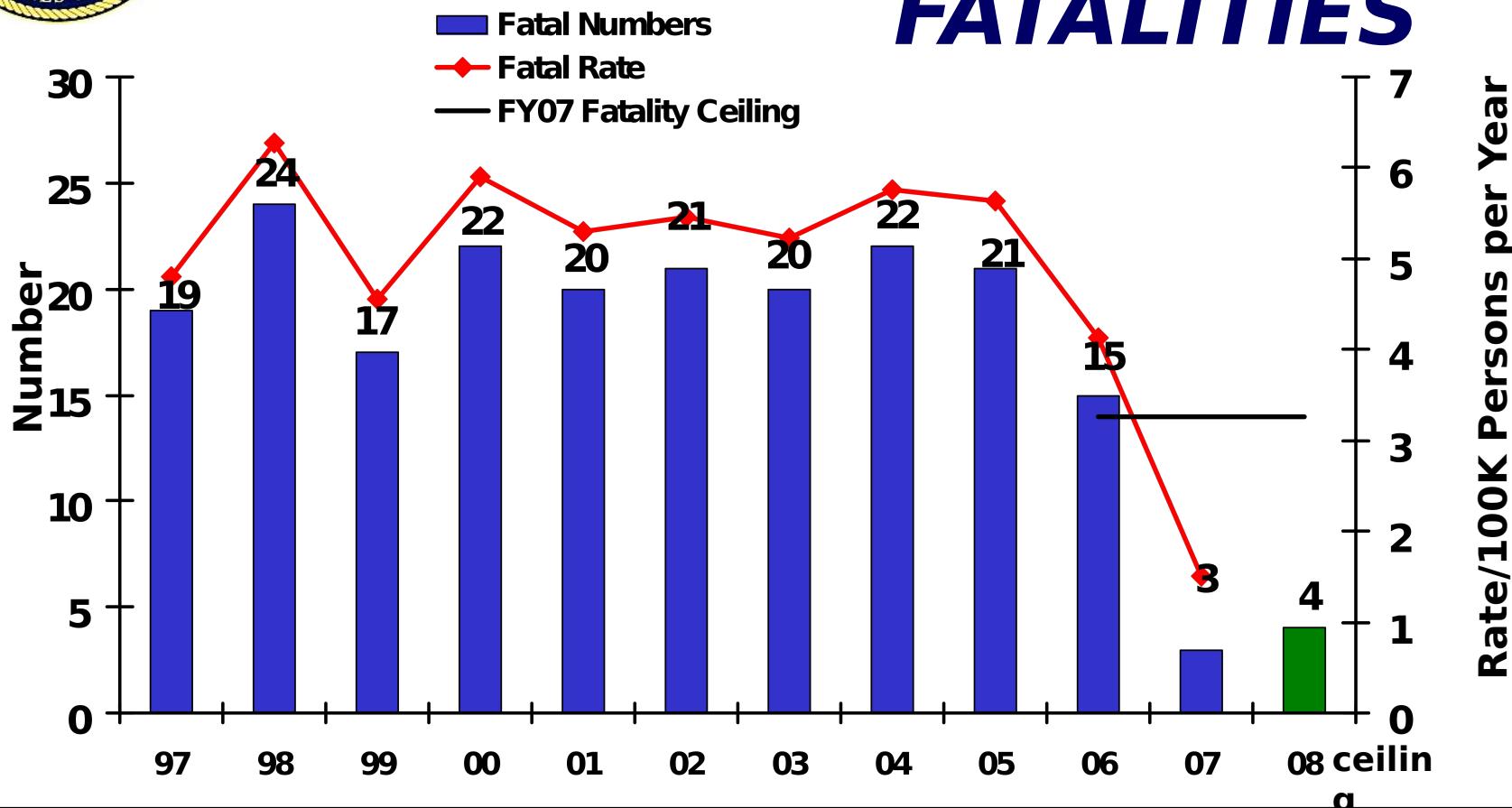
FY06

FATALITIES/FATALITY RATE: 27 / 7.44

ONE YEAR AVERAGE (FY97-06) FATALITIES/FATALITY RATE: 17.3 / 4.57



# OFF-DUTY/REC FATALITIES



0 Off-duty/Rec Fatalities during this reporting period  
26 Apr 07

26 Apr

06

CLASS A FATALITIES/FATALITY RATE FY COMPARISON: 3 / 1.50 9 / 4.33 FY06 FATALITIES/FATALITY

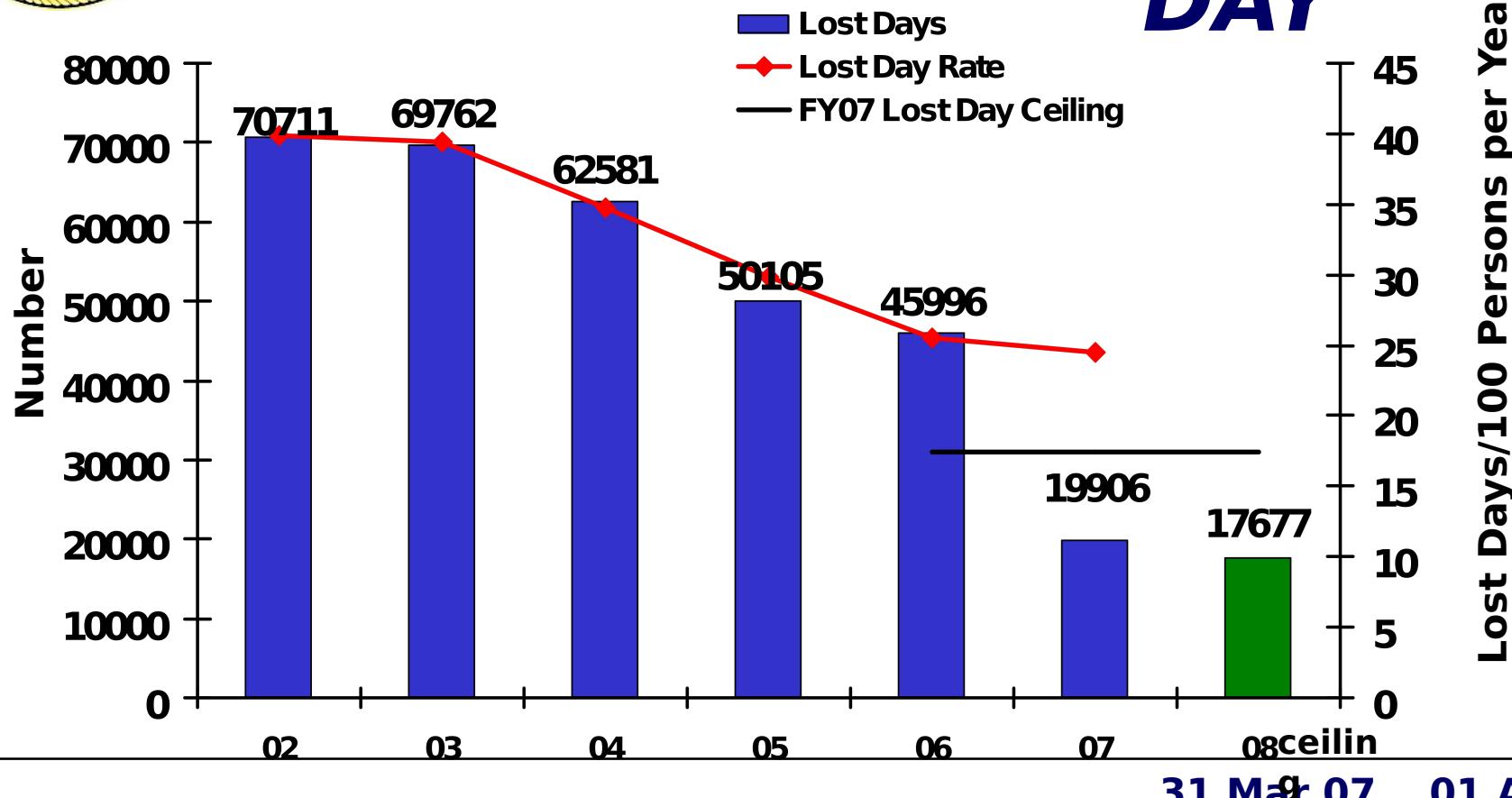


RATE

SSSI B4et 1 May 2007



# CIVILIAN LOST WORK DAY



06

26.97

LOST WORK DAY FY RATE COMPARISON: 24.46

FY06 LOST WORK DAY RATE: 26.94

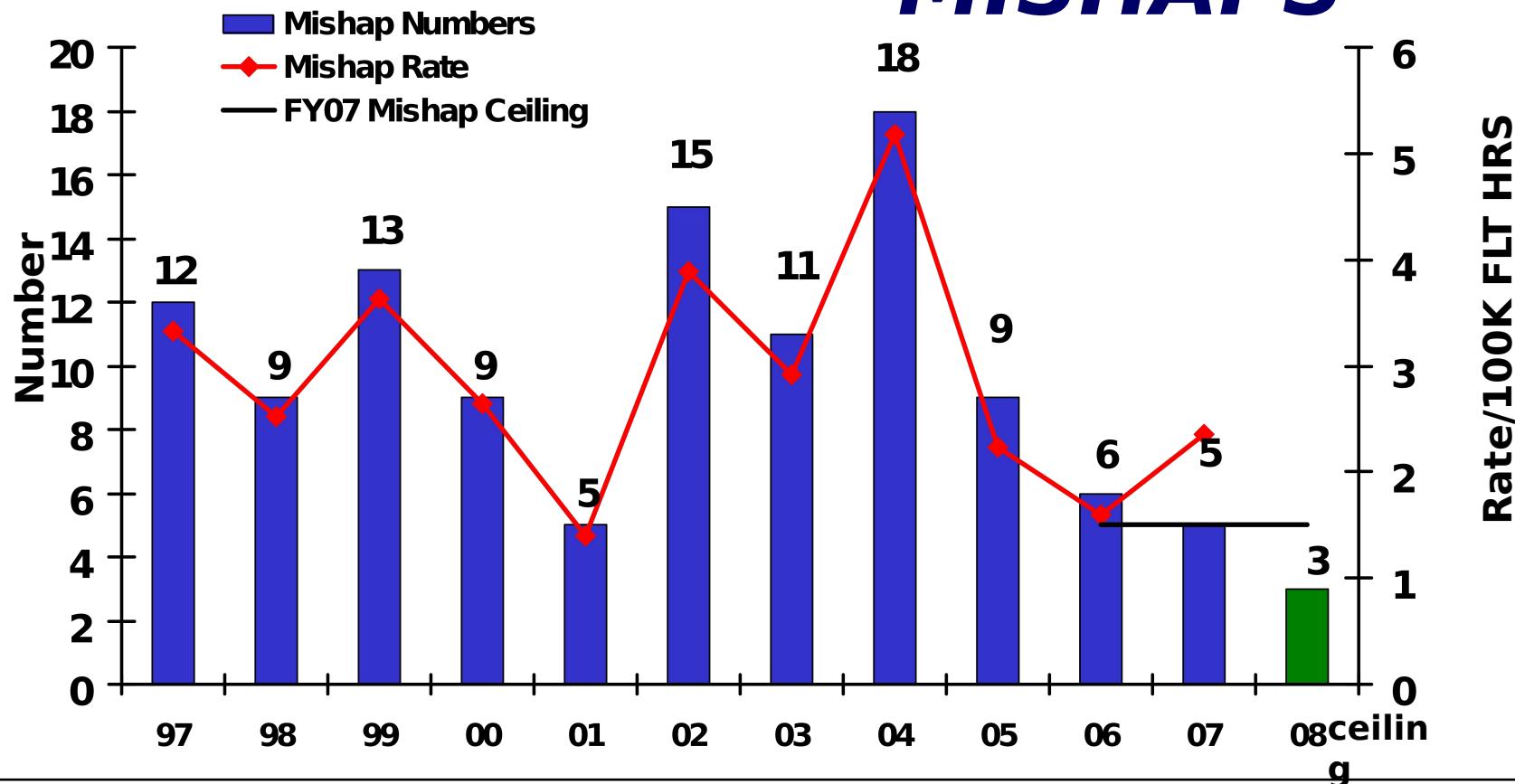
SSCI Brief 11-2007



5-YEAR AVERAGE (FY02-06) LOST WORK DAY RATE: 34.30



# CLASS A FLIGHT MISHAPS



0 Class A Flight Mishaps during this reporting period  
26 Apr 2007

06

1.87



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FY06 MISHAPS/MISHAP RATE:

6 / 1.59

67

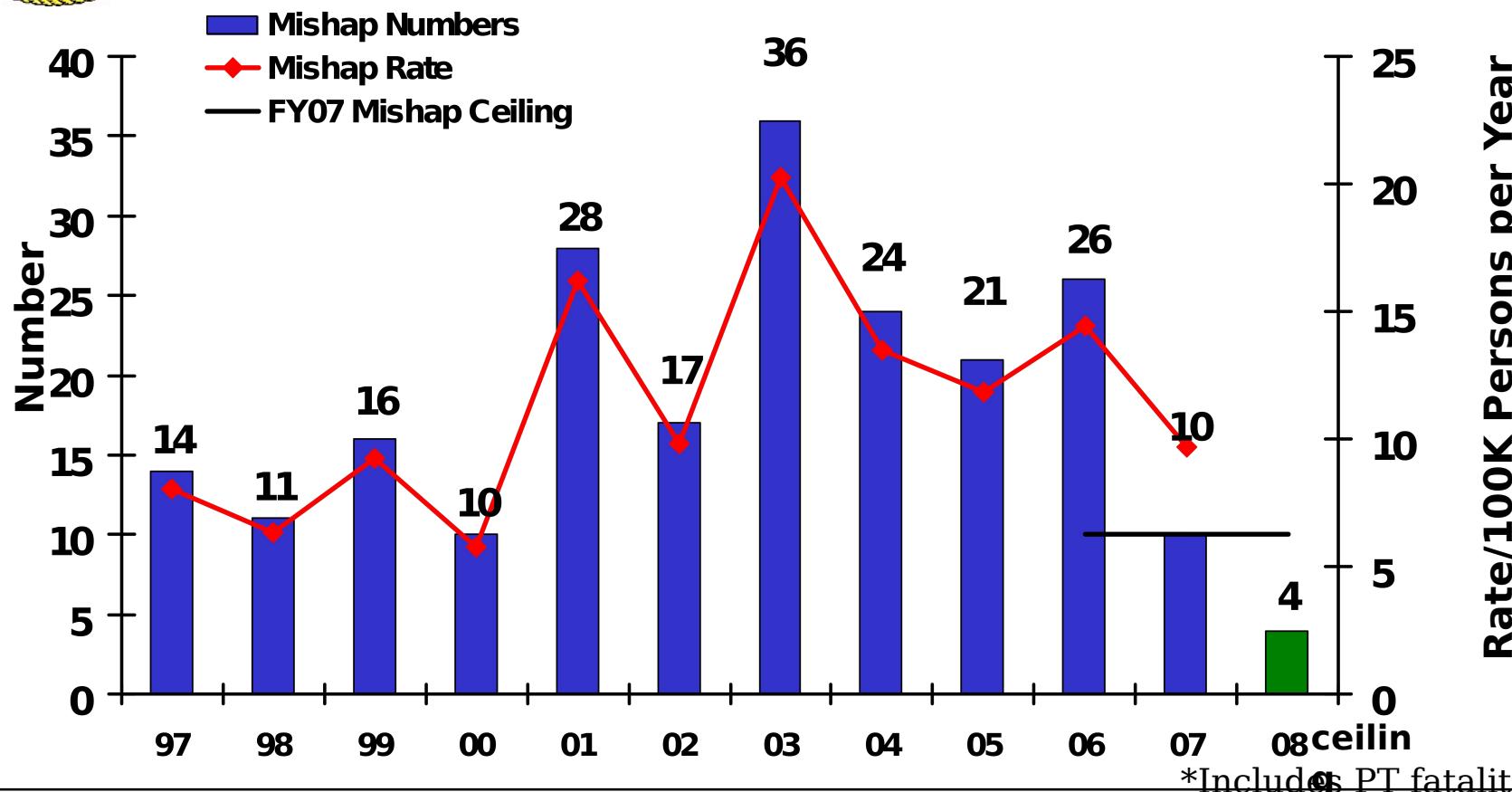
10-YEAR AVERAGE (FY97-06) MISHAPS/MISHAP RATE: 10.7 / 2.92

5 / 2.35

4/



# CLASS A GROUND OPER MISHAPS



\*Includes PT fatalities

**0 Class A Ground Operational Mishaps during this reporting period 26 Apr 06-20-26 Apr 07**

**CLASS A MISHAPS/MISHAP RATE FY COMPARISON:** **10 / 9.69**

**21 / 20.39**

**SSSL Brief May 2007**

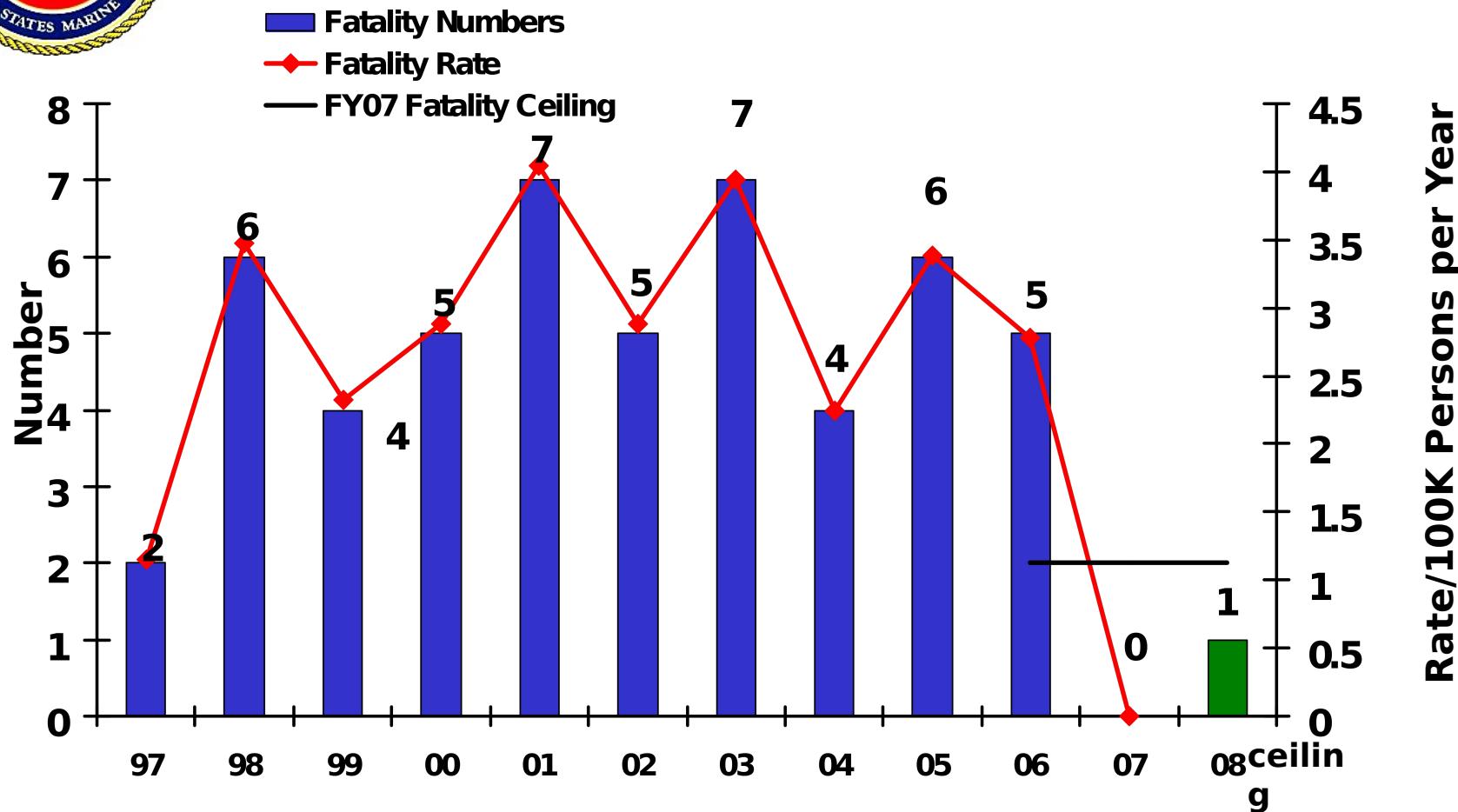
**FY06 MISHAPS/MISHAP RATE:** **26 / 14.44**

**20.3 / 11.58**

**68**



# PHYSICAL TRAINING FATALITIES



0 Physical Training Fatalities during this reporting period  
20-26 Apr 07

26 Apr 07

26 Apr

06

FATALITIES/FATALITY RATE FY COMPARISON : 0 / 0.00

3 /

FY06 FATALITIES/FATALITY RATE : 5 / 2.78

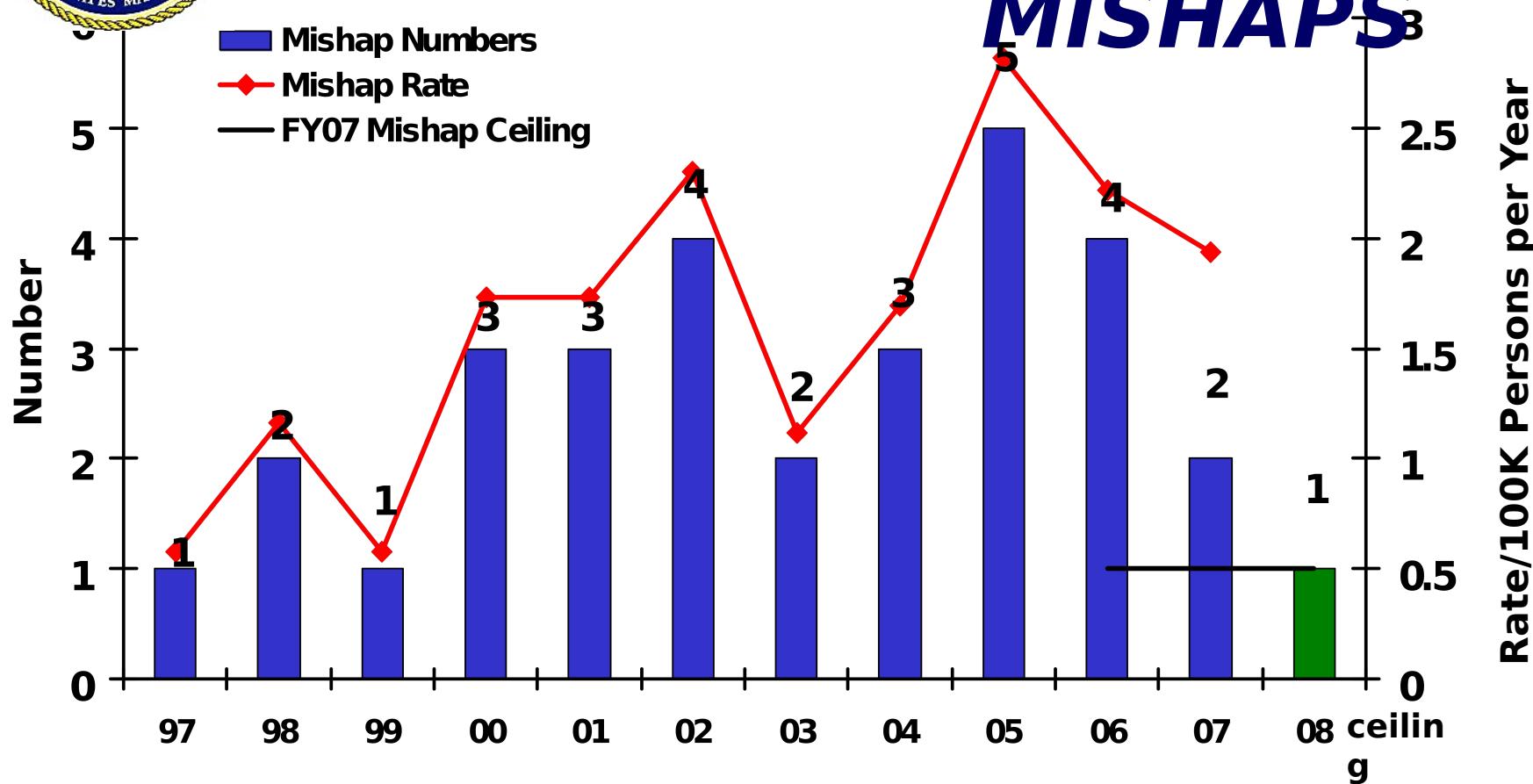
69

SSSL Brief May 2007





# CLASS A OPER MV MISHAPS



0 Class A Oper MV Mishaps during this reporting period  
26 Apr 07 - 26 Apr 08

06

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:

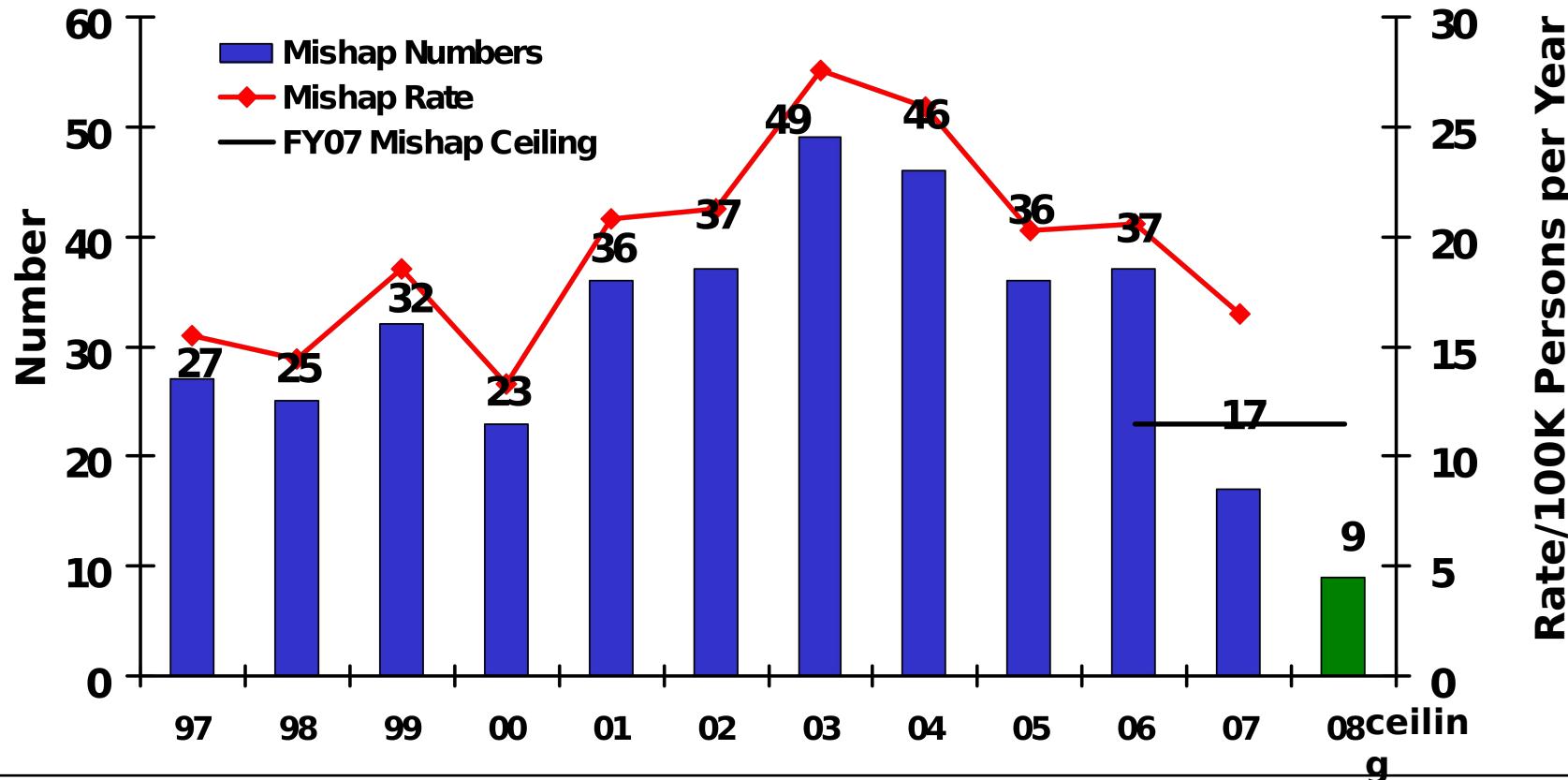
2 / 1.94

2 /





# ANNUAL CLASS A OPER MISHAPS



0 Class A Operational Mishaps during this reporting period  
20-26 Apr 07      26 Apr

06

CLASS A MISHAPS/MISHAP RATE FY COMPARISON:      17 / 16.47      28 /

27.18

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FY06 MISHAPS/MISHAP RATE:

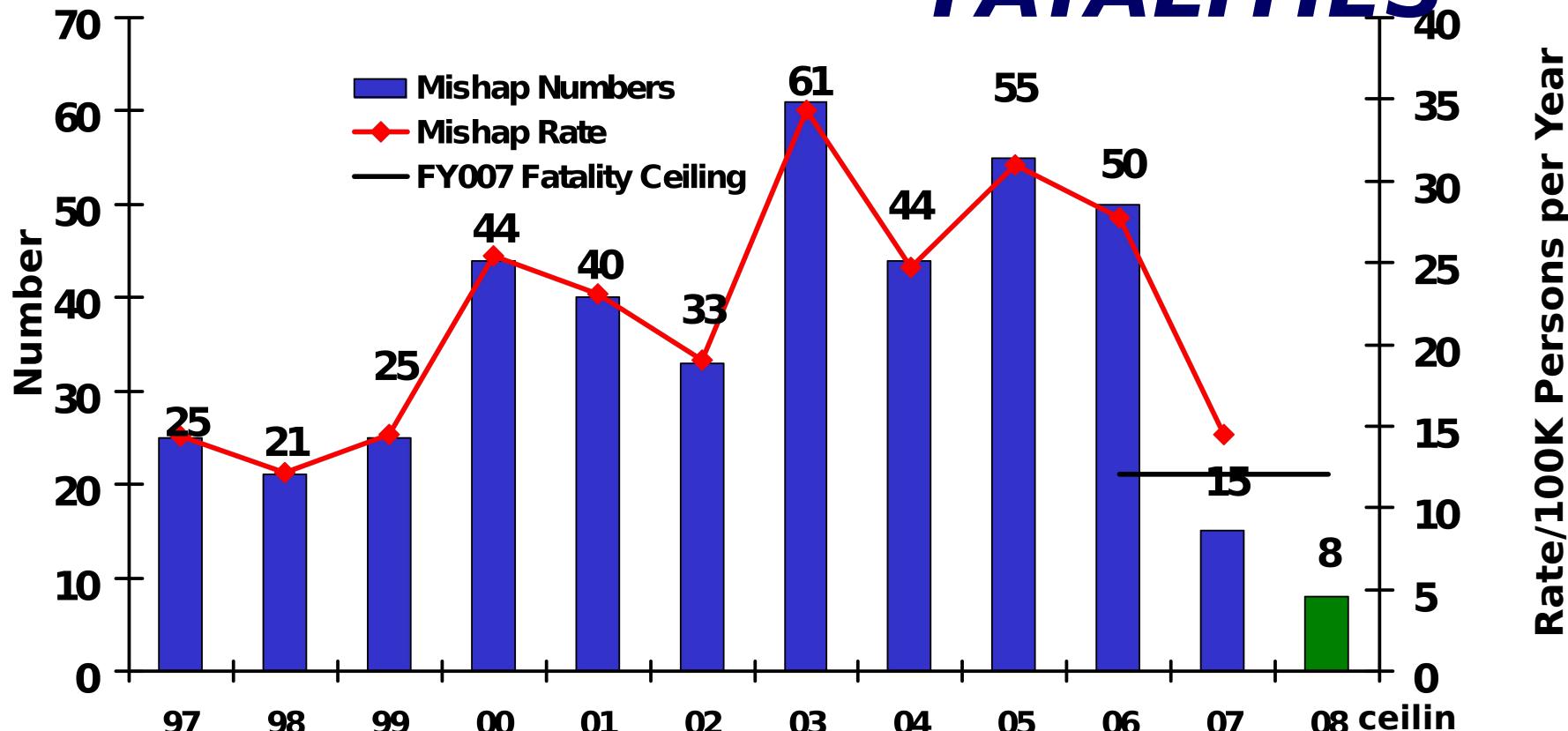
37 / 20.55

71

10-YEAR AVERAGE (FY97-06) MISHAPS/MISHAP RATE:      34.8 / 19.85



# OPERATIONAL FATALITIES



Apr 06    26 Apr 07

0 Operational Fatalities during this reporting period Apr 07 26

CLASS A FATALITIES/FATALITY RATE FY COMPARISON:    15 / 14.53    37/  
35.92

FY06 FATALITIES/FATALITY

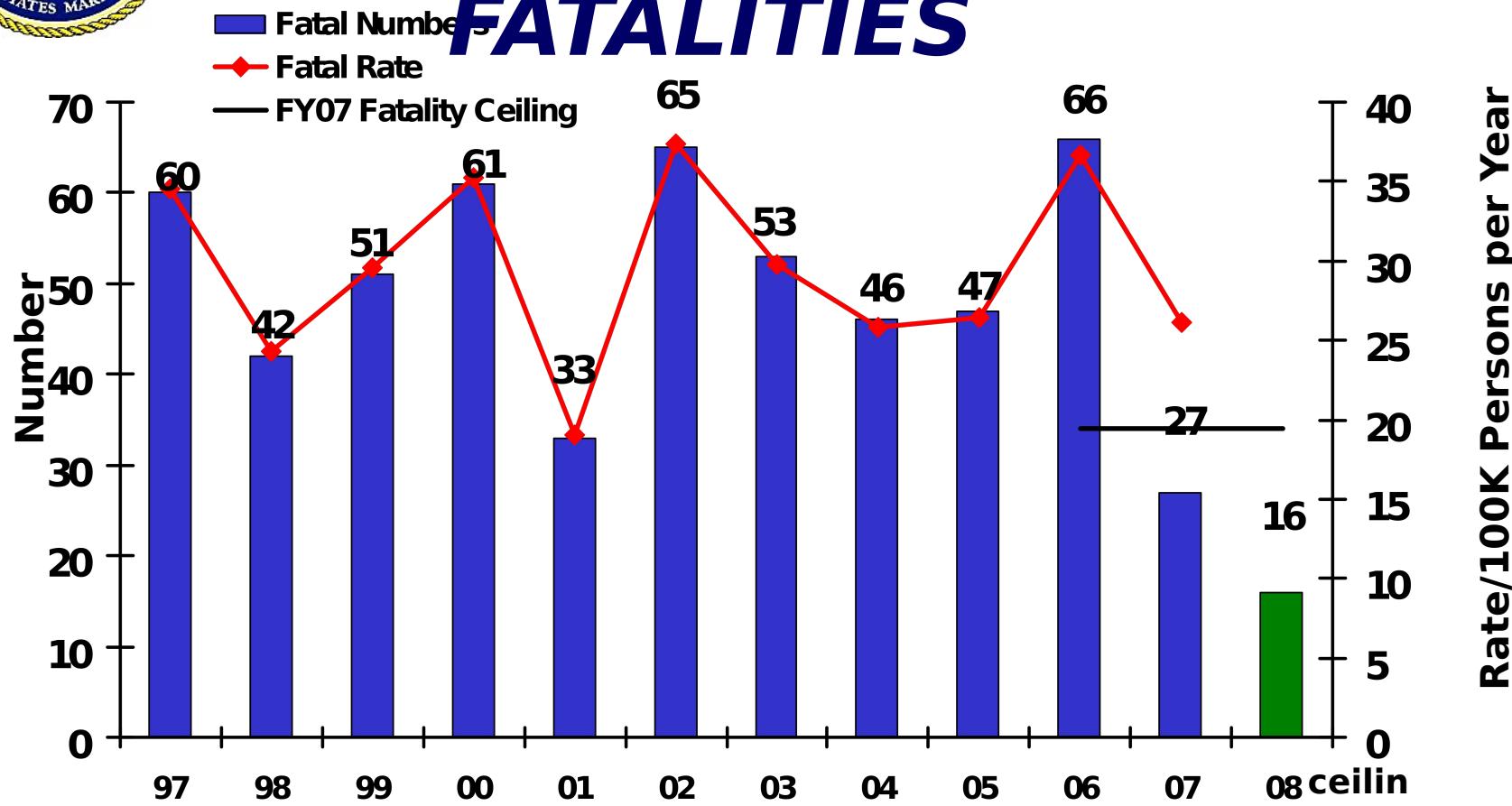


SSSI 50 Brief 2 May 2007



# PMV

## FATALITIES



2 PMV Fatality during this reporting period 20-26 Apr 07 26 Apr 07 26 Apr

06

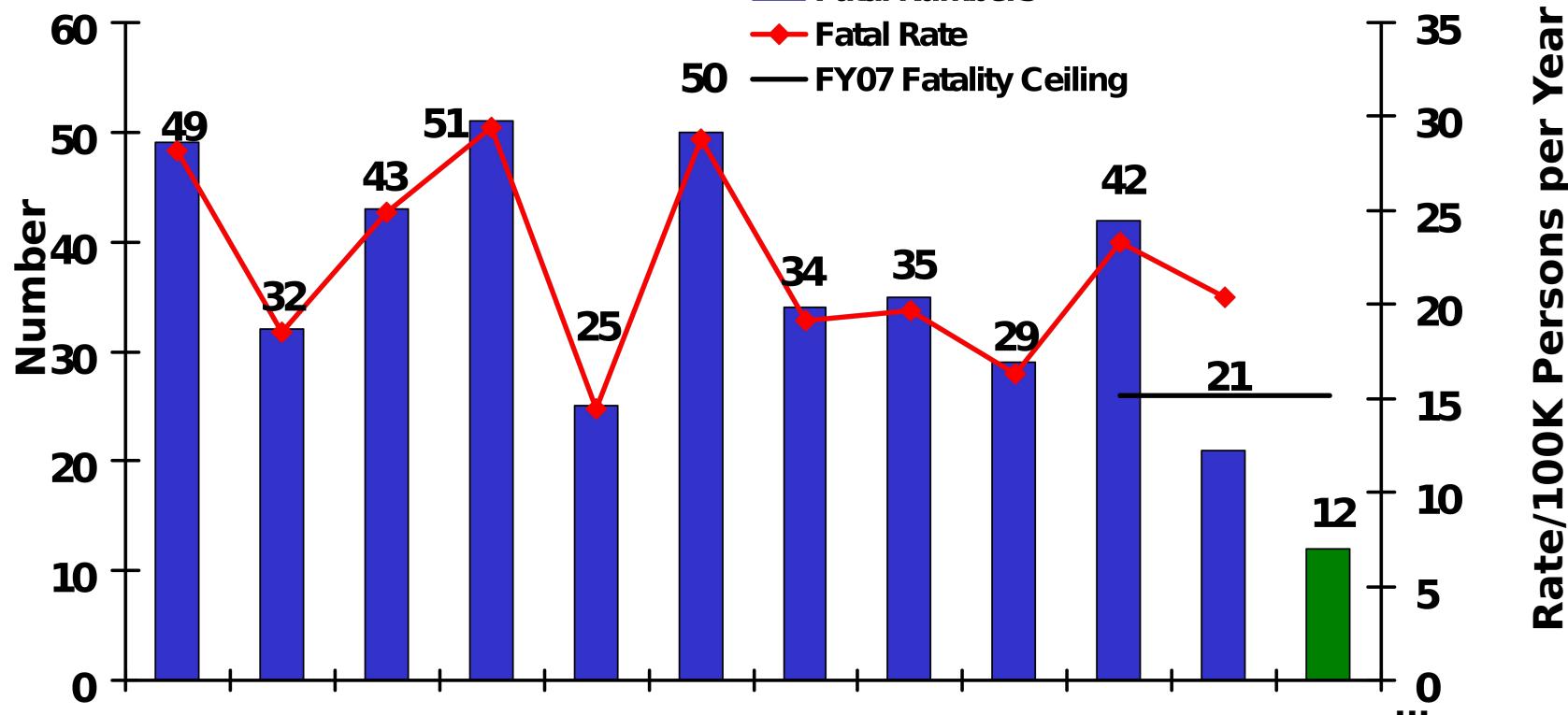
CLASS A FATALITIES/FATALITY RATE FY COMPARISON: 27 / 26.15 35/

33.98





# 4-WHEEL PMV FATALITIES



1 Four-Wheel Fatality during this reporting period  
Apr 07

\*pedestrian fatalities not included in 2007 data

26 Apr

06

CLASS A FATALITIES/FATALITY RATE FY COMPARISON: 21 / 20.34 23/  
22.33



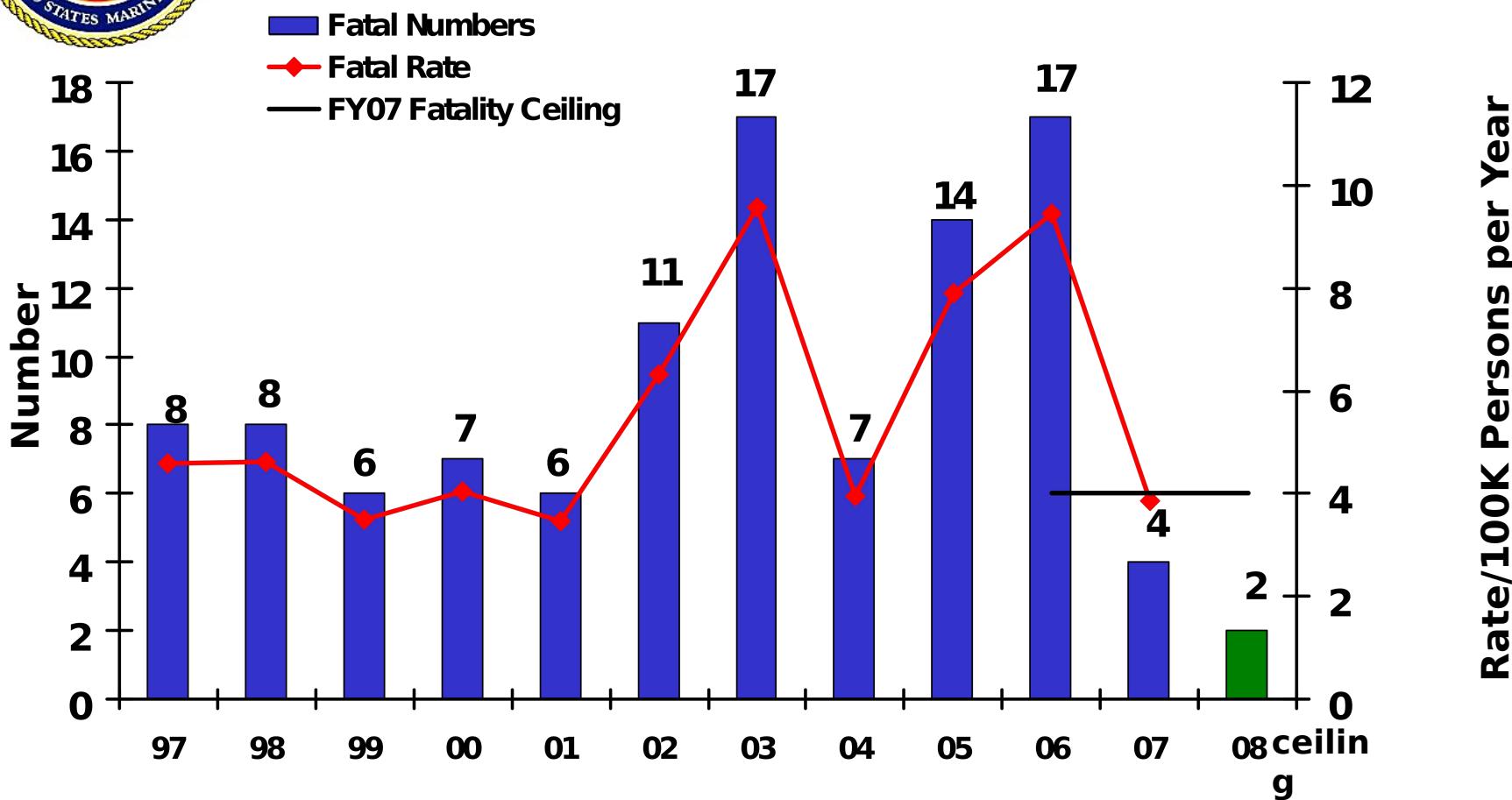
FATALITIES/FATALITY RATE:

May 2007: 42 / 23.33

10-YEAR AVERAGE (FY97-06) FATALITIES/FATALITY RATE: 39.0 / 22.25



# MOTORCYCLE PMV FATALITIES



1 Motorcycle Fatalities during this reporting period  
26 Apr 2007

06

26 Apr

CLASS A FATALITIES/FATALITY RATE FY COMPARISON: 4 / 3.87

8 /

7.77



SSSL Brief May 2007

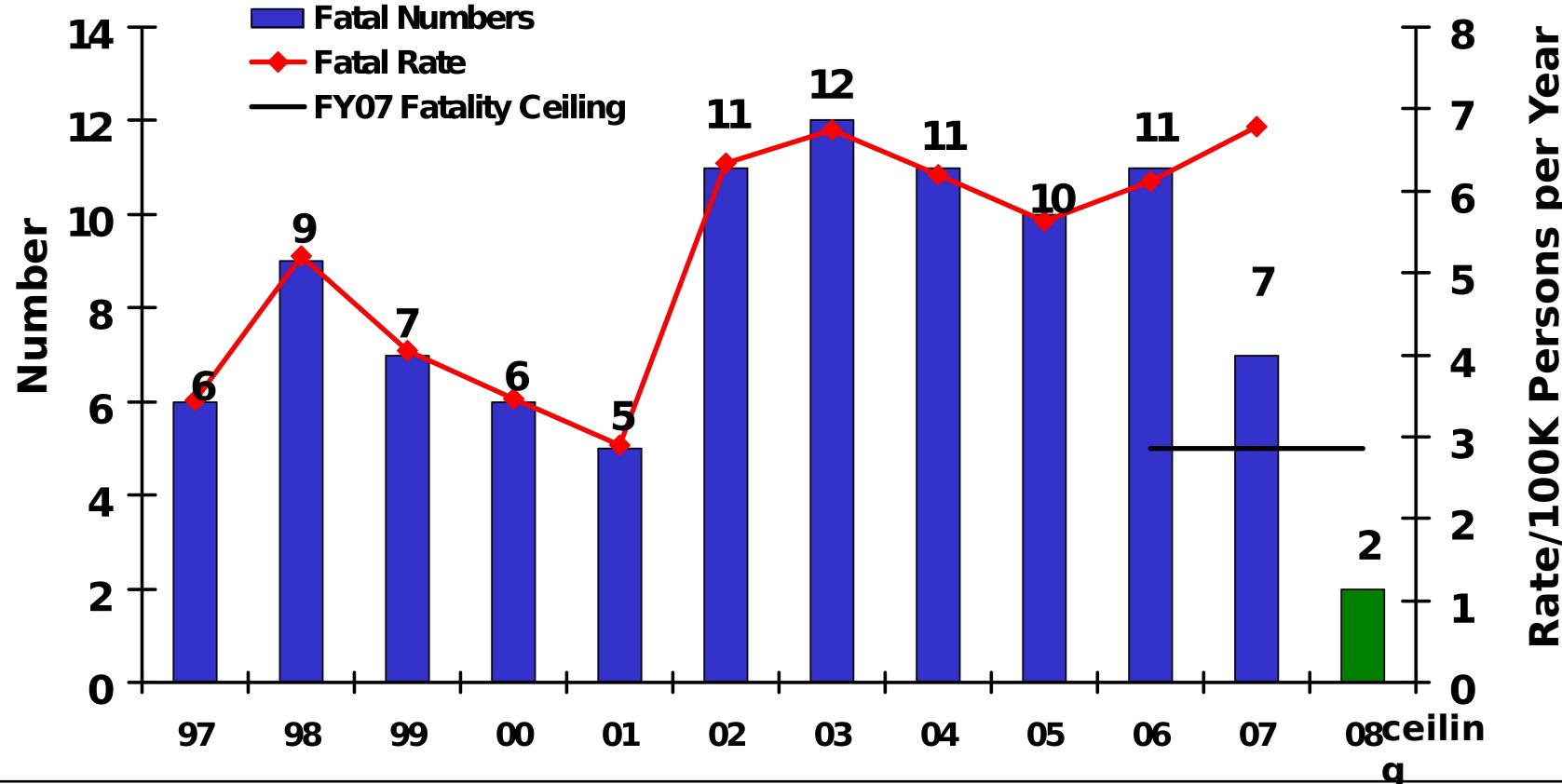
FY06 FATALITIES/FATALITY RATE: 17 / 9.44

75

5 YEAR AVERAGE (FY97-06) FATALITIES/FATALITY RATE: 10.1 / 5.76



# OFF-DUTY/REC FATALITIES



0 Off-duty/Rec Fatalities during this reporting period  
26 Apr 2007

26 Apr

06

CLASS A FATALITIES/FATALITY RATE FY COMPARISON: 7 / 6.78

4 /

3.88

SSSL Brief May 2007

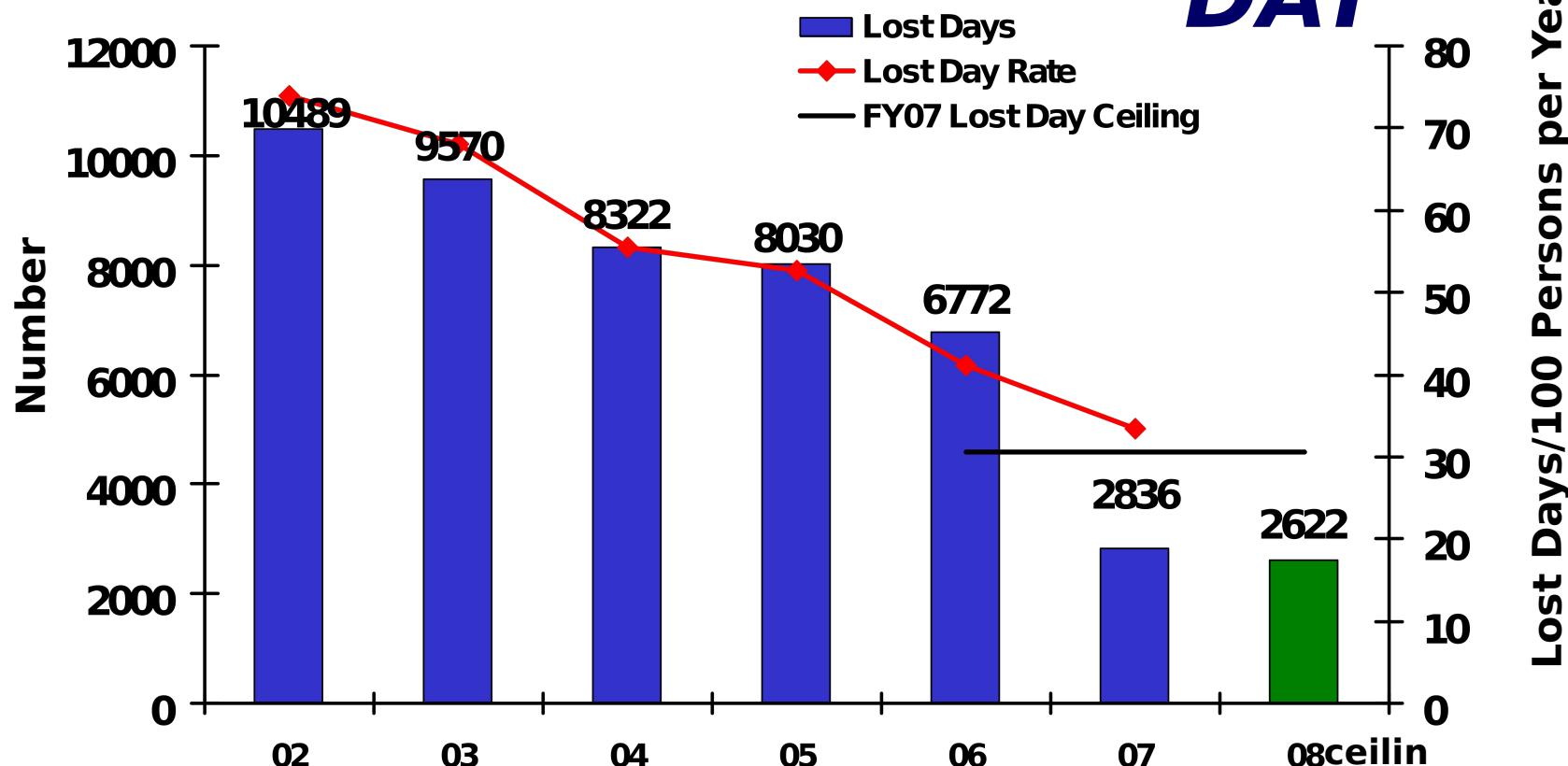
FY06 FATALITIES/FATALITY RATE: 11 / 6.11

76

YEAR AVERAGE (FY97-06) FATALITIES/FATALITY RATE: 8.8 / 5.02



# CIVILIAN LOST WORK DAY



Apr 06

LOST WORK DAY FY RATE COMPARISON : **33.37**

**40.28**

FY06 LOST WORK DAY RATE :

**39.58**





# Navy Short Narratives

## *red indicates OIF fatality*

### USN AVIATION CLASS A MISHAPS

26 Apr 07 (CNATRA/BLUE ANGELS) Pilot lost his life after aircraft crashed during air show.

26 Jan 07 (CNAP/HSC-23) MH-60S entered water during plane guard operation. 4 fatalities.

### USN AFLOAT CLASS A MISHAPS

08 Jan 07 (SUBLANT/NEWPORT NEWS) Venturi effect sucked submerged submarine up into collision with supertanker.

06 Jan 07 (CNSP/HALSEY) Class B fire in engineering spaces.

29 Dec 06 (SUBLANT/USS MINNEAPOLIS SAINT PAUL) Two sailors died after being swept from deck while leaving port.

01 Dec 06 (SUBPAC/FRANK CABLE) During boiler test, steam leak damaged boiler killing one sailor, injuring 8.

30 Nov 06 (CNSL/BOONE) following loss of steering while underway, divers discovered rudder missing.

14 Nov 06 (SUBPAC/OHIO) Damage to port dry-deck shelter.

08 Nov 06 (CNSL/GUNSTON HALL) Two LCUs came alive in the ship's well deck during heavy seas causing damage to the ship.

04 Oct 06 (CNSL/KEARSARGE) During CMAV repairs to ballast tank, aviation supply storeroom flooded.

### USN PHYSICAL TRAINING CLASS A MISHAPS

1 Dec 06 (CNI/PSA NORFOLK) PS3 collapsed during command sponsor PT. Pronounced deceased at local hospital.

### USN SHORE CLASS A MISHAPS

28 Mar 07 (CNI/NAVSUBASE KINGS BAY) 30 foot port operations moose boat with three crew members capsized while conducting training. 2 crew members recovered. 1 drowned.

21 Oct 06 (CNI/FLEET ACTIVITIES SASEBO JAPAN ORD DEPT) Fire destroyed carpenter shop at ordnance facility.

### USN PRIVATE MOTOR VEHICLE FATALITIES

14 Apr 07 (CNAL/VP-45) E-4 was killed in a single vehicle accident.

07 Apr 07 (CNSP/HALSEY) E-4 involved in a 3 car collision while riding motorcycle.

13 Mar 07 (NAVY OP SUPPORT CENTER ATLANTA) AD2 in route to work riding motorcycle was involved in mishap with vehicle.

11 Mar 07 (BUMED/NAVHOOSP GUAM) LT killed after losing control of vehicle.



# Navy Short Narratives

***red indicates OIF fatality***

**10 Mar 07 (OPERATIONAL MINISTRY CENTER NORFOLK)** LT was killed in a single vehicle motorcycle mishap.

**26 Feb 07 (CNI/NAVBASE KITSAP)** QMC was killed in a head on motor vehicle mishap.

**19 Feb 07 (BUMED/NAVHOSP CAMP LEJEUNE)** HMC was killed when another car crossed the centerline and struck his car head on.

**29 Jan 07 (CNAL/HSMWINGLANT/Surface Rescue Swimmer School)** AW2 traveling at excessive speed on motorcycle failed to negotiate turn.

**20 Jan 07 (CNE/MOUNT WHITNEY)** FC1 lost control of vehicle, struck wall, and was fatally injured.

**13 Jan 07 (CNAL/HS-7)** AO3 was killed in a motorcycle mishap.

**08 Jan 07 (BUMED/NAVAL SURVIVAL TRAINING INSTITUTE)** HM2 riding motorcycle at high speed hit the back of an SUV resulting in fatal injuries.

**07 Jan 07 (NETC/NAVSUBSCOL GROTON)** MM1 was killed when his vehicle was run off the road by an 18 Wheeler.

**29 Dec 06 (CNSP/BONHOMME RICHARD)** E3 ejected from a vehicle that rolled over and was fatally injured.

**26 Dec 06 (NETC/CNATT UNIT LEMOORE)** Marine lost control of motorcycle, fatally injured.\*

**24 Dec 06 (BUMED/NNMC BETHESDA)** RP3 involved in a motorcycle accident resulting in a fatality

**22 Dec 06 (CNSL/USS OAK HILL)** Ship's company MSGT on terminal leave died as a result of a single motor vehicle mishap.\*

**17 Dec 06 (CNAP/RONALD REAGAN)** E-4 lost control and impacted the center divider of the highway.

**10 Dec 06 (NETC/RECRUIT TRAINING COMMAND)** HM1 was killed in a single vehicle mishap.

**08 Dec 06 (CNAP/VFA-115)** Senior Chief was killed in a head-on motor vehicle mishap.

**24 Nov 06 (CNO/US NAVAL ACADEMY)** MIDN passenger in vehicle that collided into a tree.

**05 Nov 06 (BUMED/NAVAL HOSPITAL OAK HARBOR)** LT was unable to stop his motorcycle in time to miss stopped vehicle in front him. LT was thrown from motorcycle and hit by oncoming traffic.

**04 Nov 06 (CNAP/VFA-147)** AOAN riding motorcycle at high speed laid his motorcycle down when he was unable to make a turn resulting in fatal injuries.

**30 Oct 06 (CNAL/USS GEORGE WASHINGTON)** SR driver fell asleep, drove off the road, lost control and impacted a tree. The passenger (SR) suffered severe head and other major injuries and died on 20 Nov 06.



SSCI Draf May 2007

\*Narratives include two Marines killed while attached to Navy commands. They are not included the number and rate of Navy PMV fatalities on the associated data slide.



# Navy Short Narratives

*red indicates OIF fatality*

## USN PRIVATE MOTOR VEHICLE FATALITIES

- 16 Oct 06 (CNAL/USS HARRY S TRUMAN)** SKSN's vehicle left road and impacted a tree.
- 09 Oct 06 (CNAL/HARRY S TRUMAN)** AO3 and AOAN driving northbound lost control of the vehicle, crossed the median into the southbound lanes. The car was then broadsided by another vehicle.
- 07 Oct 06 (CFFC/MOB SEC SQUAD THREE DET BAHRAIN)** MA3 crashed his vehicle into a light pole.

## USN OFF-DUTY/RECREATIONAL FATALITIES

- 15 Mar 07 (CNI/NAVWPNSTA CHARLESTON)** MA2 and 2 civilian were killed when their boat went over a spillway.
- 14 Jan 07 (CNO/NAVCRUITDIS RICHMOND)** FC2 found deceased in hotel room by roommate. Possible alcohol poisoning.
- 14 Nov 06 (CFFC/NAVAL COASTAL WARFARE SQUADRON FIVE)** GM3 was shot in the head accidentally.





# Marine Corps Short Narratives

## USMC AVIATION CLASS A MISHAPS *red indicates OIF fatality*

- 21 Mar 07 (VMFA-323) F/A-18C crashed into water. Pilot ejected safely.
- 08 Mar 07 (HMM-264) UH-1N experienced hard landing. 6 crew injuries. Aircraft destroyed.
- 11 Dec 06 (HMH-465) CH-53E rolled on its side during landing. 1 USMC fatality.
- 03 Dec 06 (HMM-165) CH-46E landed in water. Passengers exited into water prior to aircraft water taxi to land. Two Marine fatalities, 1 Air Force fatality and 1 Army fatality.
- 30 Nov 06 (VMFAT-101/MARFORPAC) F/A-18C impacted ground after reporting hydraulics problems. Pilot ejected with minor injuries.

### • USMC GROUND CLASS A

- 16 Apr 07 (IIMEF FWD/TF1/2/RCT-2) LCPL was electrocuted after grabbing an electrical wire.
- 14 Apr 07 (2<sup>nd</sup> MLG 2<sup>nd</sup>/MAINT BN/CLR-25) LCPL was fatally injured after HMMWV ran off road and rolled over.
- 15 Mar 07 (2<sup>nd</sup> MLG 2<sup>nd</sup>/MAINT BN/CLR-25) LCPL died after huffing Difluorethane Poisoning)
- 14 Mar 07 (4<sup>th</sup> MARDIV IIMEF/15 MEU) LCPL died after negligent discharge 12-gauge shotgun)
- 21 Feb 07 (2<sup>ND</sup> MARDIV/10<sup>TH</sup> MARINES) PFC was fatally struck by a tactical vehicle.
- 10 Feb 07 (4<sup>th</sup> Tank BN/4<sup>th</sup> MARDIV) LCPL was killed when a MTVR 7-ton lost control and rolled down an embankment.
- 17 Jan 07 (1ST BN/2ND MAR) LCPL died from a head wound. LCPL was a victim of a negligent discharge while in the turret of an M114 during a live fire exercise.
- 04 Nov 06 (I MEF FWD/RCT-7) 2NDLT assisting in improvement of battle position on roof when he fell approximately 6' from cupola to roof and suffered fatal injuries.
- 31 Oct 06 (1<sup>ST</sup> MARDIV/1<sup>ST</sup> RECON BN) CPL received fatal gunshot wound to the head when another Marine's weapon discharged a live round.
- 1 Oct 06 (I MEF (FWD)/1ST MLG (FWD)) Capt suffered fatal injuries in a HMMWV rollover caused by a puncture to the right rear tire.

### • USMC OPERATIONAL MOTOR VEHICLE

- 23 Feb 07 (1<sup>ST</sup> MCD/MCRS NEW JERSEY) SGT and SSGT were killed when the govt sedan in which they were riding left the roadway and impacted a tree. Three other Marines were injured.
- 14 Dec 06 (LOGCOM/MCLB ALBANY) Marine civilian employee was struck and killed by GMV



SSSI Brief May 2007



# Marine Corps Short Narratives

## USMC PRIVATE MOTOR VEHICLE FATALITIES

21 Apr 07 (1<sup>st</sup> BAT/9<sup>th</sup> MAR 2<sup>nd</sup> MARDIV) LCPL speeding and drunk lost his life in a single vehicle accident.

21 Apr 07 (8<sup>th</sup> MAR REGIMENT/2<sup>nd</sup> MARDIV) PVT lost control of MCY while passing traffic; injury fatal.

24 Mar 07 (3<sup>rd</sup> BN 1<sup>st</sup> MAR) 2NDLT on State Highway struck a tow truck. Pronounced dead at scene

26 Feb 07 (SOI WEST) PVT lost control and rolled vehicle resulting in fatal injuries.

24 Feb 07 (1<sup>st</sup> MARDIV/5<sup>TH</sup> MARINES) LCPL was a passenger in a car when the driver fell asleep. The vehicle left the road and impacted a tree.

23 Feb 07 (3<sup>RD</sup> MAW/MWSG-37/MWSS-374) PFC was riding as a passenger when his vehicle lost control, rolled over and came to rest on its roof.

19 Feb 07 (SOI WEST) PFC was killed when the vehicle in which he was riding rolled over.

04 Feb 07 (MC COMMUNICATIONS ELECTRONICS SCHOOL) CPL died 16 Feb from injuries sustained in a motor vehicle mishap.

30 Jan 07 (1ST MLG/CLR-17) SGT struck divider lost control and collided with another vehicle.

21 Jan 07 (4<sup>TH</sup> MAW/MACG48/MASS 6) SSGT was riding with a group of motorcyclists when he failed to negotiate a turn. SSGT struck a guard rail and was hit by the motorcyclist following him.

01 Jan 07 (1 MAW/ MAG-12/ VMFA-212) CPL died as a result of being hit by a vehicle and receiving a severe head injury.

25 Dec 06 (2NDBN, 1STMAR) PFC was killed as a result of a single motor vehicle mishap.

23 Dec 06 (HMM-268, MAG-39, 3<sup>rd</sup> MAW) CPL died as a passenger in a single motor vehicle mishap.

18 Dec 06 (HQBN 3rd MARDIV) CPL crossed centerline on roadway while driving to store in heavy fog and was killed in a head-on crash with an oncoming vehicle.

16 Dec 06 (H & S CO, Marine Corps Security Force Battalion) PFC on motorcycle was struck and killed by an SUV.

16 Dec 06 (2<sup>nd</sup> MAINT BN, 2<sup>nd</sup> MLG) SGT lost control, rolled vehicle. Was ejected and killed.

13 Dec 06 (Marine Corps Communication Electronics School) PVT on recruiter's assistance leave struck and killed by church van.

04 Dec 06 (SCHOOL OF INFANTRY) SGT killed when his PMV struck a parked truck.

26 Nov 06 (1<sup>ST</sup> BN 2DMAR 3D MARDIV) LCPL was struck by a vehicle and died at the scene.

24 Nov 06 (SCHOOL OF INFANTRY) SNM lost control of vehicle, ejected and died.

23 Nov 06 (2<sup>ND</sup> BN 5<sup>TH</sup> MAR 1<sup>ST</sup> MARDIV) CPL died when vehicle struck by drunk driver.



# Marine Corps Short

## Narratives

### USMC PRIVATE MOTOR VEHICLE FATALITIES

**22 Nov 06 (II MEF) CPL died when lost control of vehicle and was struck by a tractor trailer.**

**09 Nov 06 (4<sup>th</sup> MARDIV/4<sup>th</sup> RECON BN) CPL, passenger in a speeding vehicle, killed when LCPL driver ran into back of tractor-trailer.**

**09 Nov 06 (MARCENT HQ) SGT was killed in a single vehicle motorcycle mishap.**

**04 Nov 06 (II MEF/IIMHG) LCPL riding as a passenger was traveling at high speed, left roadway, struck pole, went airborne over a creek and hit embankment.**

**27 Oct 06 (2<sup>nd</sup> MARDIV) PFC veered across three lanes, struck traffic barrier, veered back across three lanes and stopped on side of the road. PFC received fatal injuries.**

**07 Oct 06 (1<sup>st</sup> MARDIV/HQ BN/TRUCK CO) LCPL's vehicle was struck on the passenger side by a civilian driver who ran a stop light.**

- USMC OFF-DUTY/RECREATIONAL FATALITIES

**01 Apr 07 (2<sup>nd</sup> MARDIV 8<sup>th</sup> Marine Regiment)-PFC died from combination of prescribed meds, cocaine and alcohol.**

**06 Jan 07 (2<sup>nd</sup> MARDIV/2<sup>nd</sup> MLG/CLB-2) LCPL died from ruptured artery sustained after punching arm through a window.**

**30 Dec 06 (8<sup>th</sup> MAR) LCPL was found dead after an evening of drinking alcohol.**

**24 Dec 06 (Assault Amphib School Battalion Camp Pendleton) PVT on leave was attending a party, consumed a large amount of alcohol and passed out. PVT was put to bed found dead in the morning.**

**02 Dec 06 (MALS-31) AMAN attached to USMC unit died from being accidentally shot by a shotgun.**

**04 Nov 06 (2<sup>nd</sup> MARDIV) PVT found unconscious after heavy night of drinking, taken to hospital and placed on respirator. Died 11/6/06. bac .16.**

**21 Oct 06 (MCC HAWAII) LCPL surfaced after a dive from a cliff, then went underwater did not resurface. LCPL was not breathing when pulled from water.**